

SONY.

デジタルビデオカメラ
DIGITAL VIDEO CAMERA
DXC-D30/D30P
ズームレンズ
ZOOM LENS
VCL-916BYA

SERVICE MANUAL

Vol. 2 (1st Edition)

Power HAD

指定部品を使用する

回路図、部品表に△印で指定されている部品は安全重要部品ですので指定のものをご使用ください。

SAFETY RELATED COMPONENT WARNING

Components indentified by △ marked on the schematic diagrams and parts list are critical to safe operation.
Replace these components with SONY parts whose part numbers appear as shown in this manual or in supplements published by SONY.

X-RAY RADIATION WARNING

Be sure that parts replacement in the high voltage block and adjustments made to the high voltage circuits are carried out precisely in accordance with the procedures given in this manual.

電池についてのご注意

電池は、正しく交換しないと爆発する危険があります。
電池を交換する場合にはソニー製のリチウム電池(CR2032)
または同等タイプのものを使用してください。

LITHIUM BATTERY

Replace the battery with a Sony CR2032 lithium battery. Use of another battery may present a risk of fire or explosion.

WARNING

Battery may explode if mistreated.
Do not recharge, disassemble or dispose of in fire.

Note

Keep the lithium battery out of the reach of children. Should the battery be swallowed, consult a doctor immediately.

ADVARSEL!

Lithiumbatteri - Eksplosionsfare ved fejlagtig håndtering.
Udskiftning må kun ske med batteri af samme fabrikat og type.
levér det brugte batteri tilbage til laverandøren.

ADVARSEL

Lithiumbatteri - Eksplosjonsfare.
Ved utskifting benyttes kun batteri som
anbefalt av apparatfabrikanten.
Brukt batteri returneres
apparatleverandøren.

VARNING

Explosionsfara vid felaktigt batteribyte.
Använd samma batterityp eller en likvärdig typ
som rekommenderas av apparattillverkaren.
Kassera använt batteri enligt gällande
föreskrifter.

VAROITUS

Paristo voi räjähtää jos se on virheellisesti asennettu.
Vaihda paristo ainoastaan laitevalmistajan
suosittelemaan tyyppiin.
Hävitä käytetty paristo valmistajan ohjeiden
mukaisesti.

サービス用のマニュアル

安全のために

設置や保守、点検、修理などを行う前に、この「安全のために」と、サービス用のマニュアルをよくお読みください。

サービス技術者へ

⚠ 警告

ソニー製品は安全に十分に配慮して設計されています。しかし、電気製品はサービス時に間違った扱い方をすると、火災や感電などにより死亡や大けがなど人身事故につながることがあります。この「安全のために」は事故を防ぐために重要な注意事項を示しています。この「安全のために」及び別冊の取扱説明書の「⚠警告⚠注意」をよくお読みの上、安全に設置や保守、点検、修理などを行ってください。

警告表示の意味

このサービス用のマニュアルおよび製品では、次のような表示をしています。表示の内容をよく理解してから本文をお読みください。

⚠ 警告

この表示の注意事項を守らないと、火災や感電などにより死亡や大けがなど人身事故につながることがあります。

注意を促す記号



注意



火災



感電

行為を指示する記号



プラグをコンセントから抜く



強制

警告



下記の注意を守らないと、
火災や感電による死亡や大けがにつながることがあります。



プラグをコン
セントから抜く

感電にご注意を

- ・ 部品交換の場合は感電の危険があるので電源プラグを抜いてください。
- ・ 内部には高電圧の部分があり、通電時においては感電の危険がありますので充分ご注意ください。



強制

指定部品を使用する

回路図、部品表に△印で指定されている部品は安全重要部品ですので指定のものをご使用ください。



強制

部品の取付けや配線の引き回しは元通りにする

- ・ チューブやテープなどの絶縁材料を使用した部品、及びプリント基板から浮かして取付けた部品を元通りにする。
- ・ 引き回しやクランパーで発熱部品、高圧部品及び可動部分に接近しないように処理したハーネスの引き回しを元通りにする。



強制

ブラウン管の取扱いは丁寧に行う

(モニター、CRTプロジェクター、ビューファインダーの場合)

ブラウン管に衝撃を与えると爆縮の恐れがあります。取扱いに充分ご注意ください。



強制

X線についてのご注意

X線に対しては、ブラウン管、高圧周辺回路等に配慮し安全を確保しています。従って、高圧周辺回路を修理する時はブラウン管など指定の部品を使用し、回路変更は絶対に行わないでください。指定以外の修理は高圧回路の電圧が上昇し、ブラウン管からX線が増加し、健康に悪影響があります。



強制

電池についてのご注意

- ・ 電池は、正しく交換しないと爆発する危険があります。電池を交換する場合には必ずマニュアルで指定している電池を使用してください。
- ・ 火の中に入れないでください。ショートさせたり、分解、加熱しないでください。発熱、発火、破裂の恐れがあります。
- ・ 使用済電池は、端子(金属部分)にテープを貼るなどの処理をし、指定の方法で廃棄してください。
- ・ 使用済ニカド電池はリサイクル協力店にご持参ください。



強制

サービス後は安全点検を

サービスのために取り外したネジ、部品、配線がもとどおりになっているか確認してください。またサービスした箇所の周辺の部品及び線材の損傷してしまったところがないかなどを点検してください。

- ・ 感電・漏電を防ぐために金属部と電源プラグの絶縁チェックを行ってください。

(絶縁チェックの方法)

電源コンセントから電源プラグを抜き、電源スイッチをいれます。500V絶縁抵抗計を用いて電源プラグのそれぞれの端子と外部露出金属部との間で、絶縁抵抗値が1MΩ以上であること。この値以下の時はセットの点検修理が必要です。

このマニュアルについて

本書はデジタルビデオカメラDXC-D30とDXC-D30PのサービスマニュアルVOL.2です。本書では、ブロックダイヤグラム、マウント図、回路図、半導体、パーツリストを記載しています。

関連マニュアル

この「サービスマニュアル VOL.2」の他に、下記のマニュアルが用意されています。

- サービスマニュアル vol.1

部品番号：9-977-264-11

本機の取り扱い、操作方法と部品の交換方法および調整などに関する情報を記載しています。

- サービスマニュアル DXF-701/701CE

部品番号：9-977-265-01

別途発行のDXF-701/701CEのサービスマニュアルをご覧ください。

- サービスマニュアル VCT-U14

部品番号：9-977-221-01

既に発行済のVCT-U14のサービスマニュアルをご覧ください。

Introducing this manual

This manual is the Service Manual Vol. 2 of the DIGITAL VIDEO CAMERA DXC-D30 and DXC-D30P.

This manual contains the following items.

Related manuals

In addition to this Service Manual Vol. 2, the following manuals are provided.

- **Service Manual Vol. 1**

Part No. 9-977-263-11

Contains the operation manual related to the operations of this equipment, the replacement of the parts and adjustments.

- **Service Manual DXF-701/701CE**

Part No. 9-977-265-01

See the DXF-701/701CE service manual available separately.

- **Service Manual VCT-U14**

Part No. 9-977-221-01

See the VCT-U14 service manual available separately.

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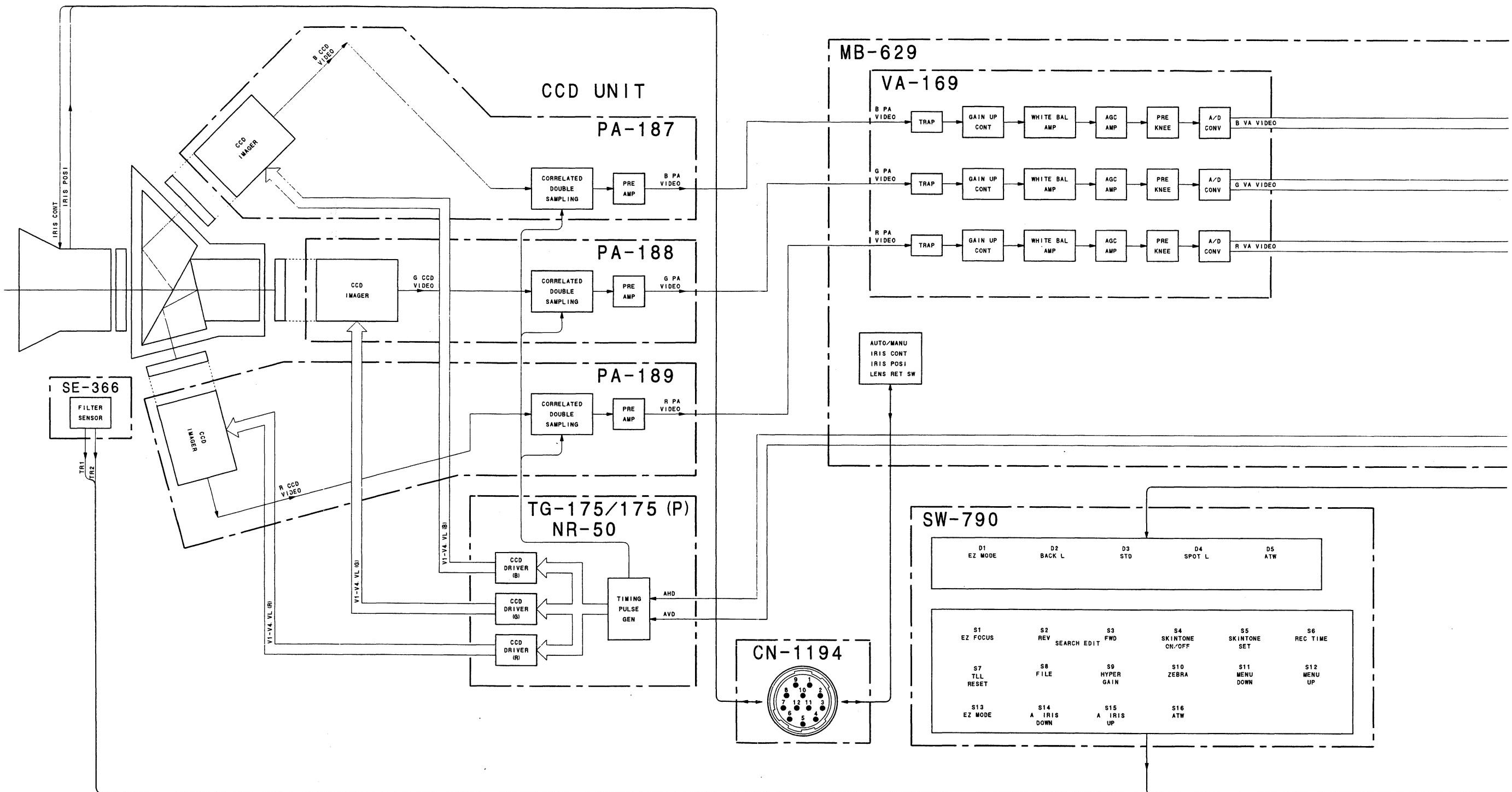
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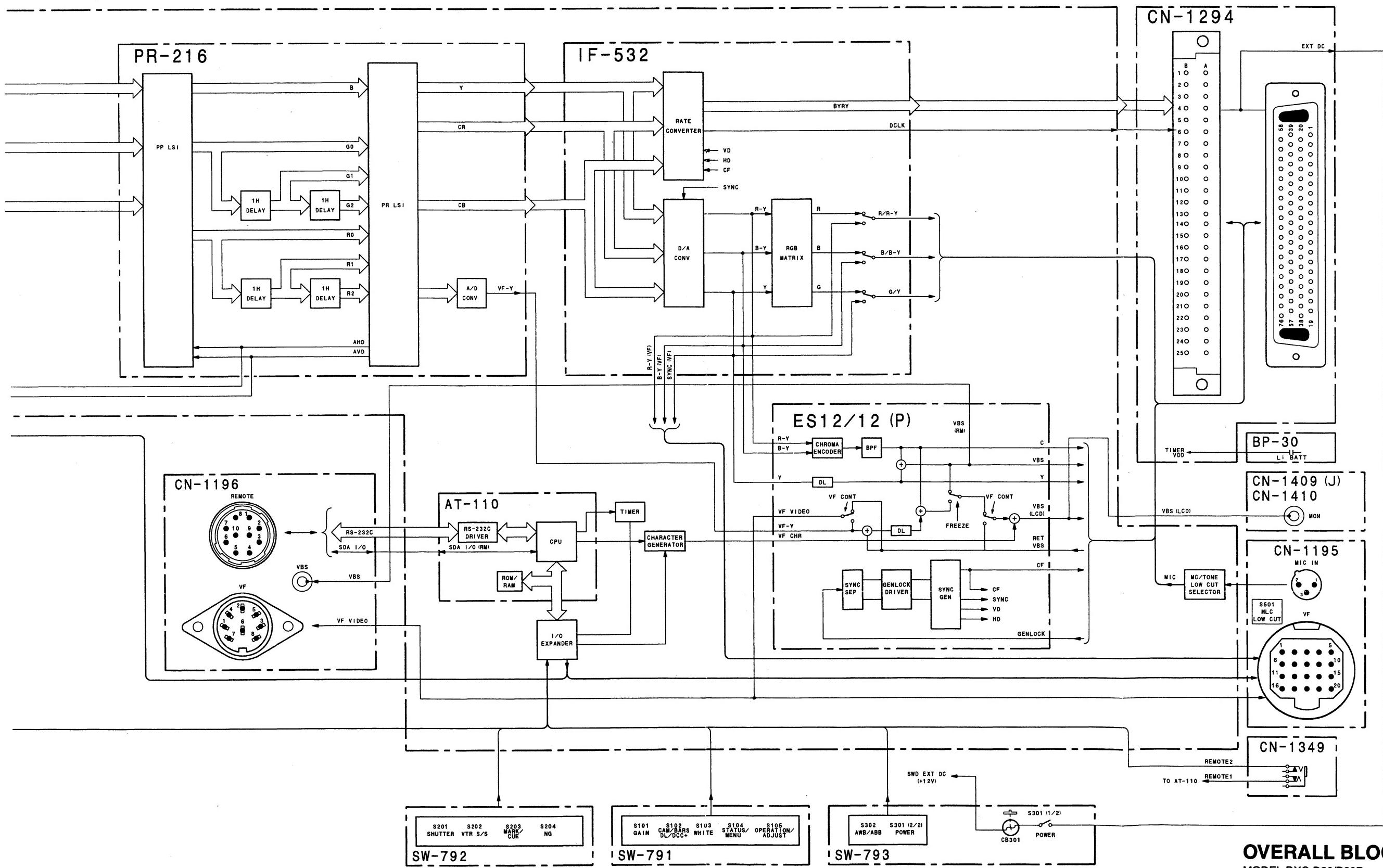
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SECTION 4
BLOCK DIAGRAMS

OVERALL BLOCK **OVERALL BLOCK**



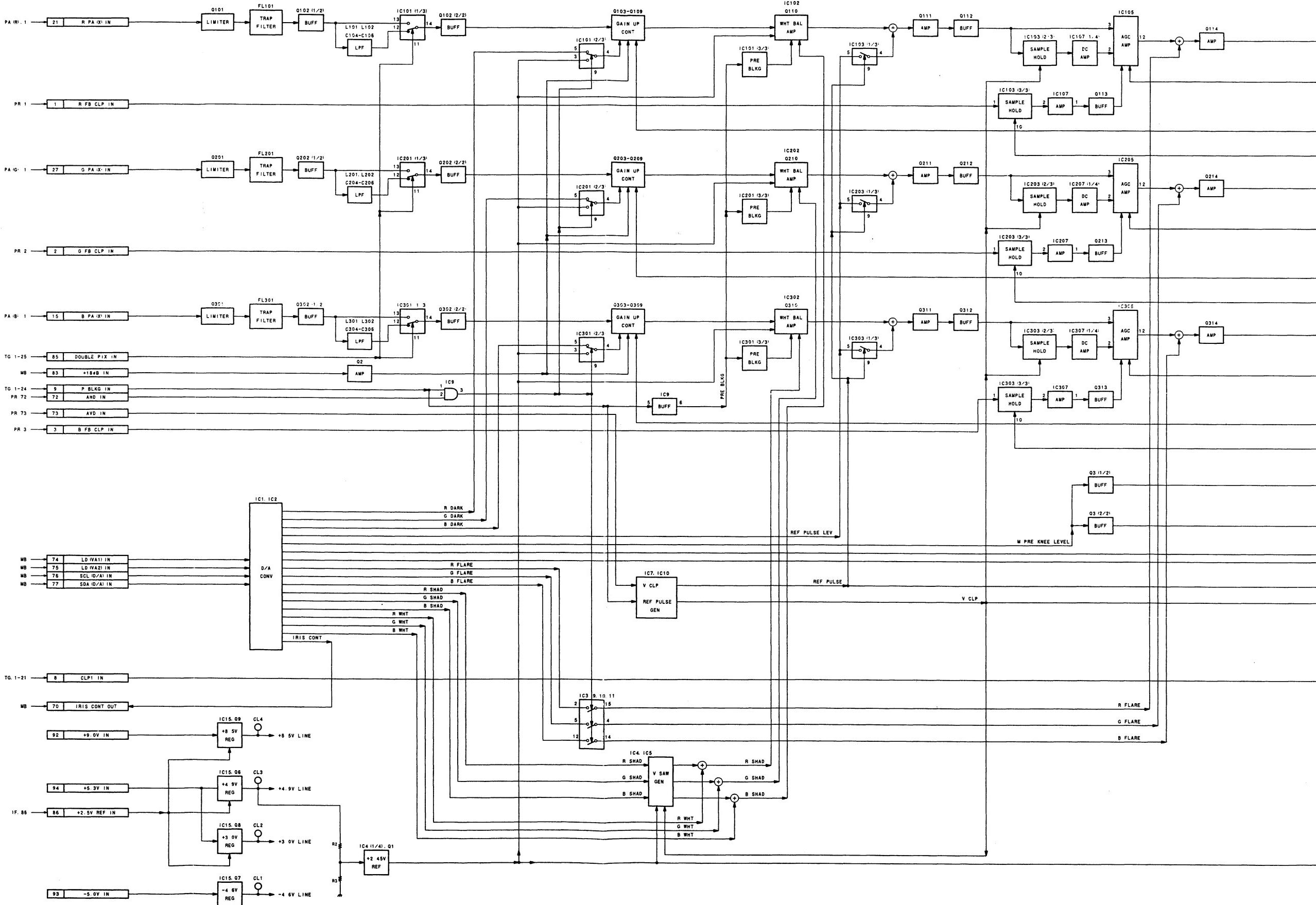
OVERALL BLOCK



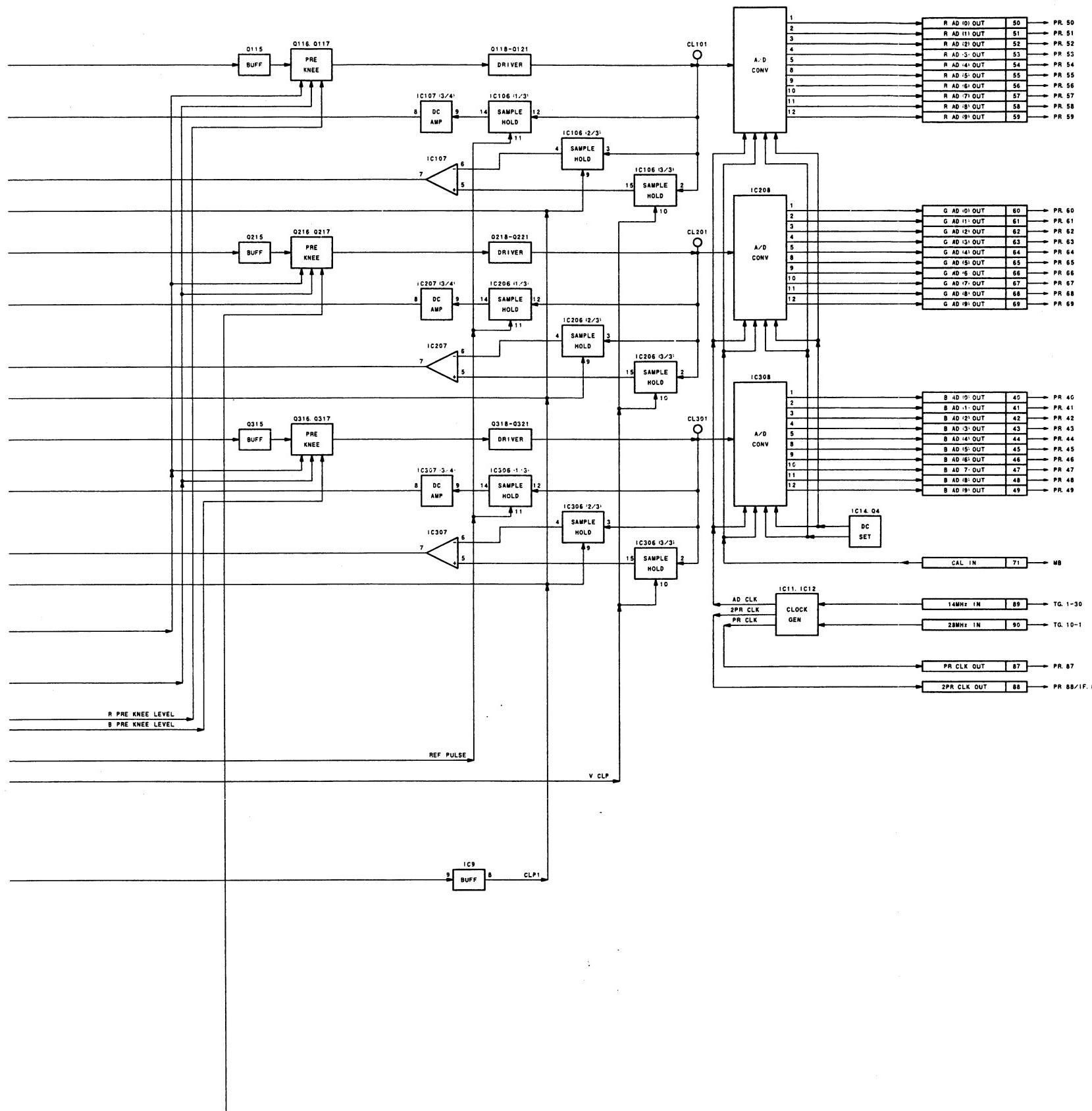
OVERALL BLOCK

MODEL DXC-D30/D30P
B-DXCD30-OABLOCK

VA-169 BLOCK



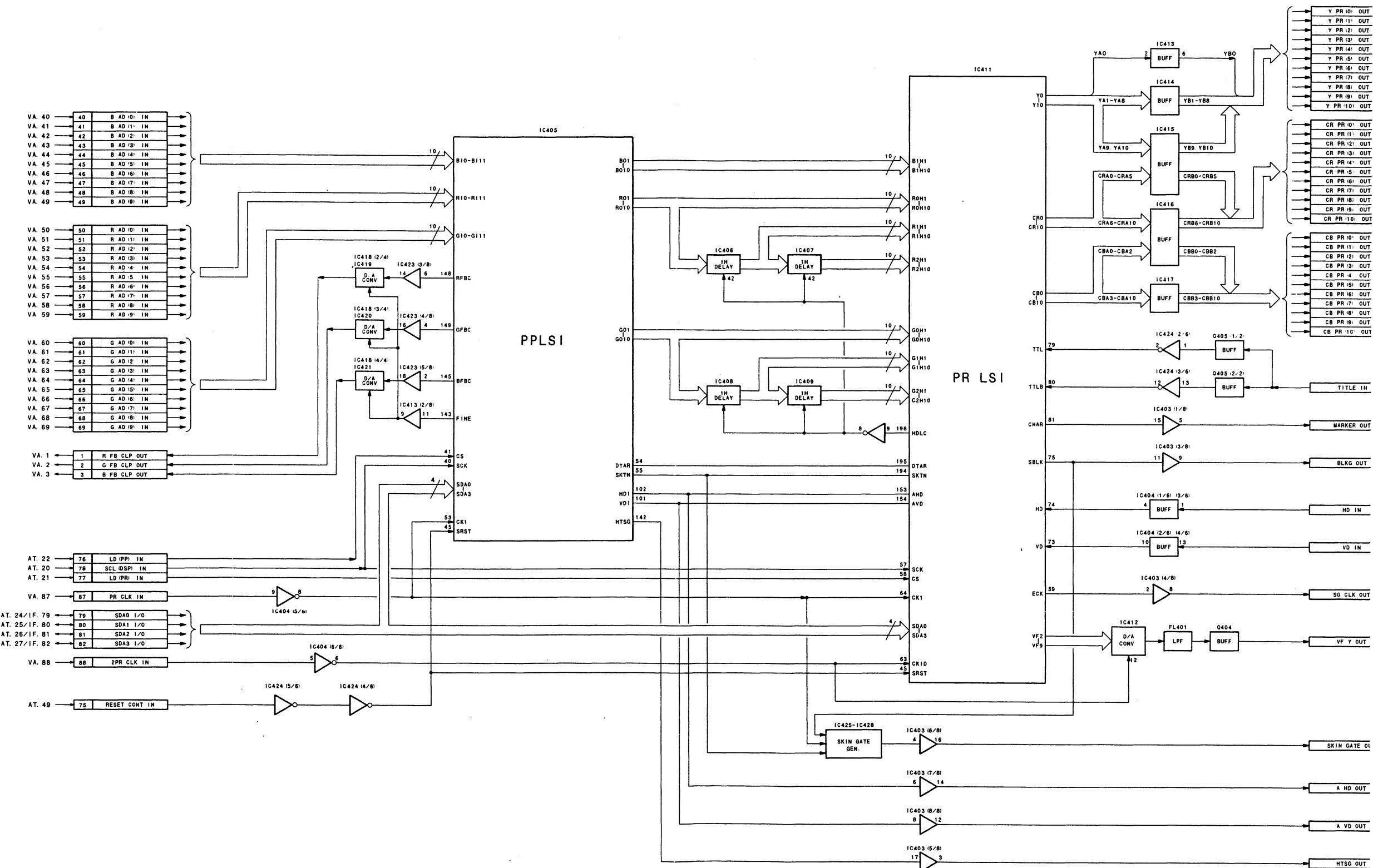
VA-169 BLOCK **VA-169 BLOCK**



VA-169 BLOCK

MODEL DXC-D30/D30P
B-DXCD30-VA169BLOCK/M

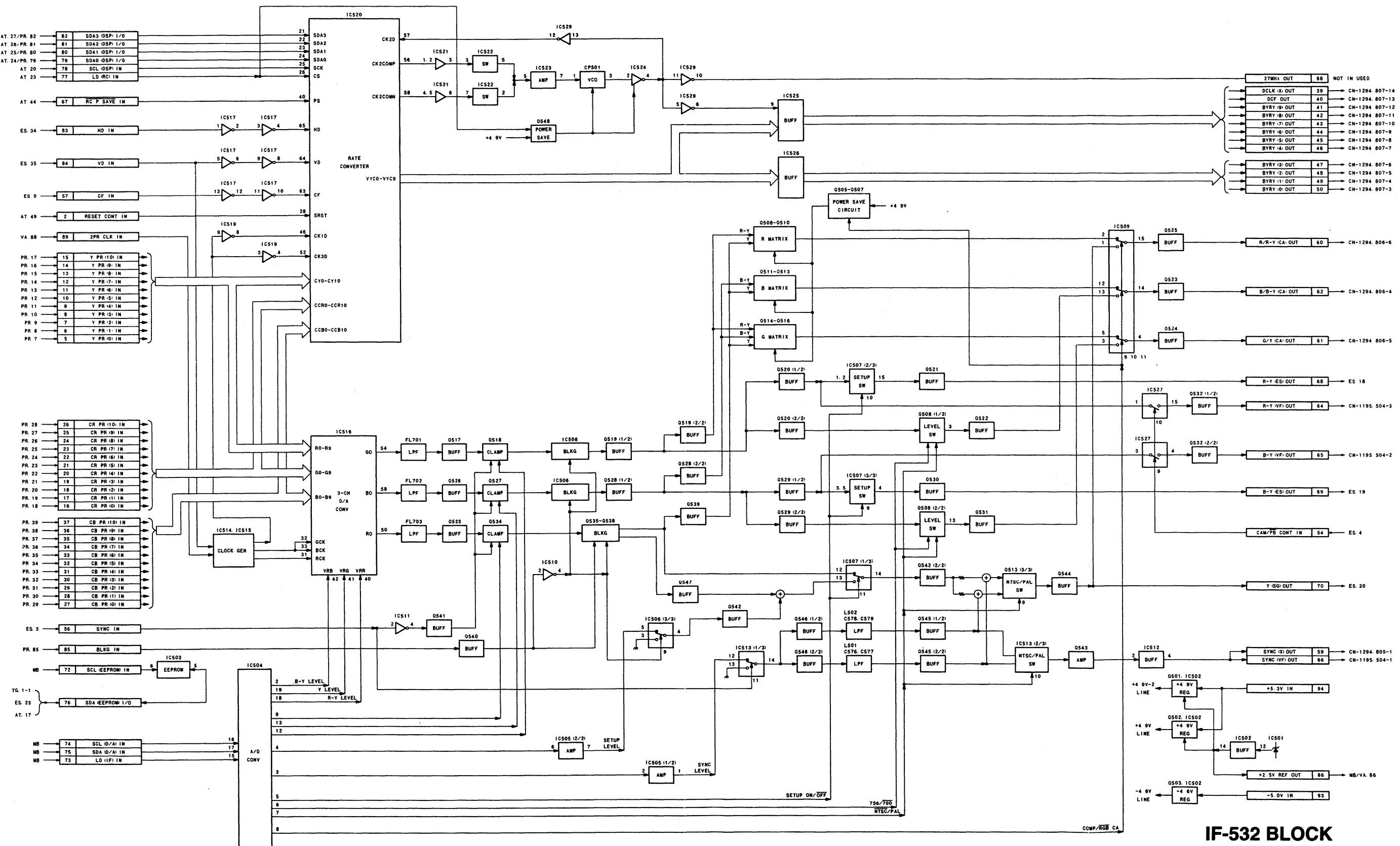
PR-216 BLOCK



PR-216 BLOCK

**MODEL DXC-D30/D30P
B-DXCD30-PR216BLOCK/M**

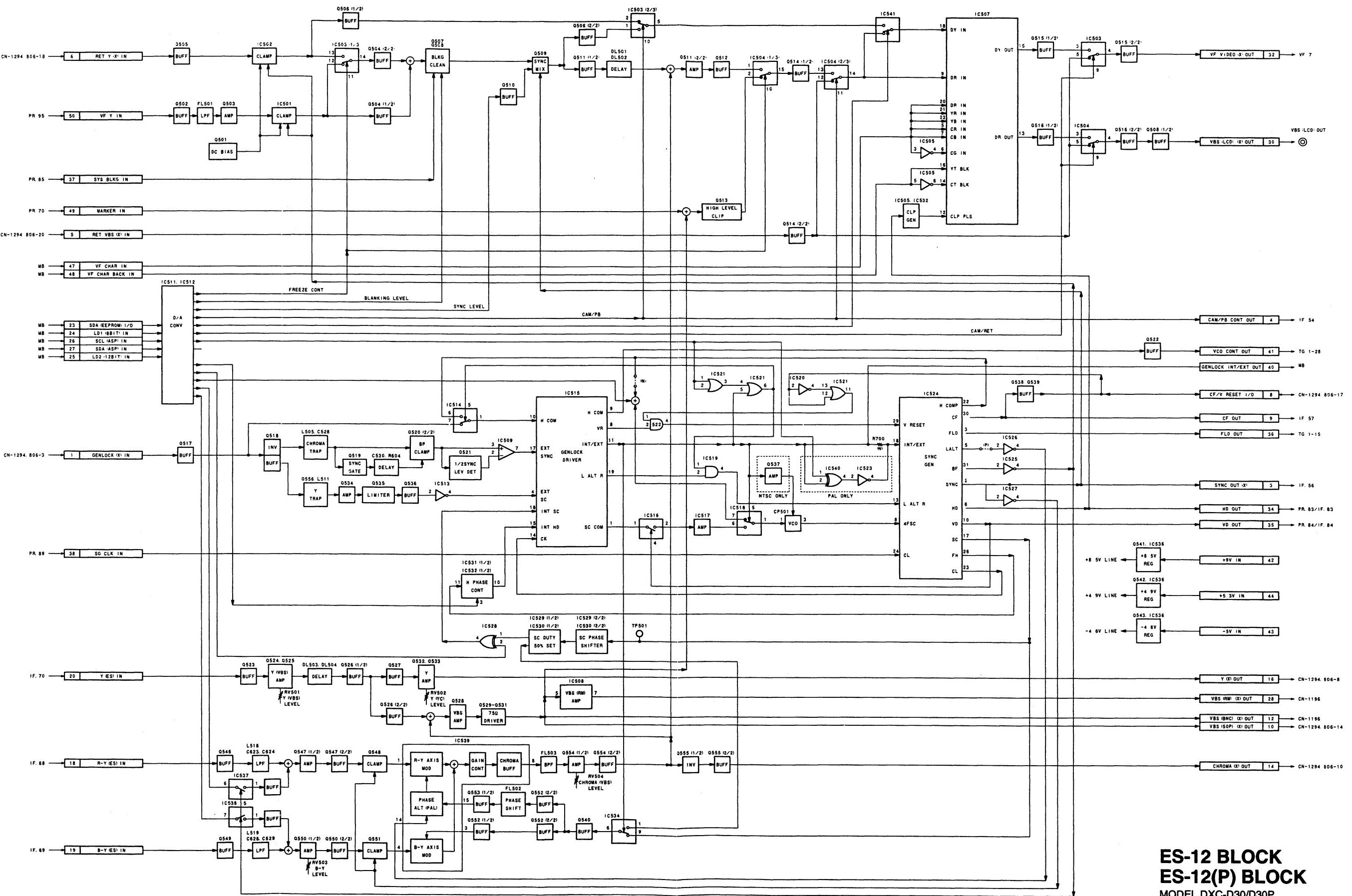
IF-532 BLOCK



IF-532 BLOCK

MODEL DXC-D30/D30P
B-DXCD30-IF532BLOCK/M

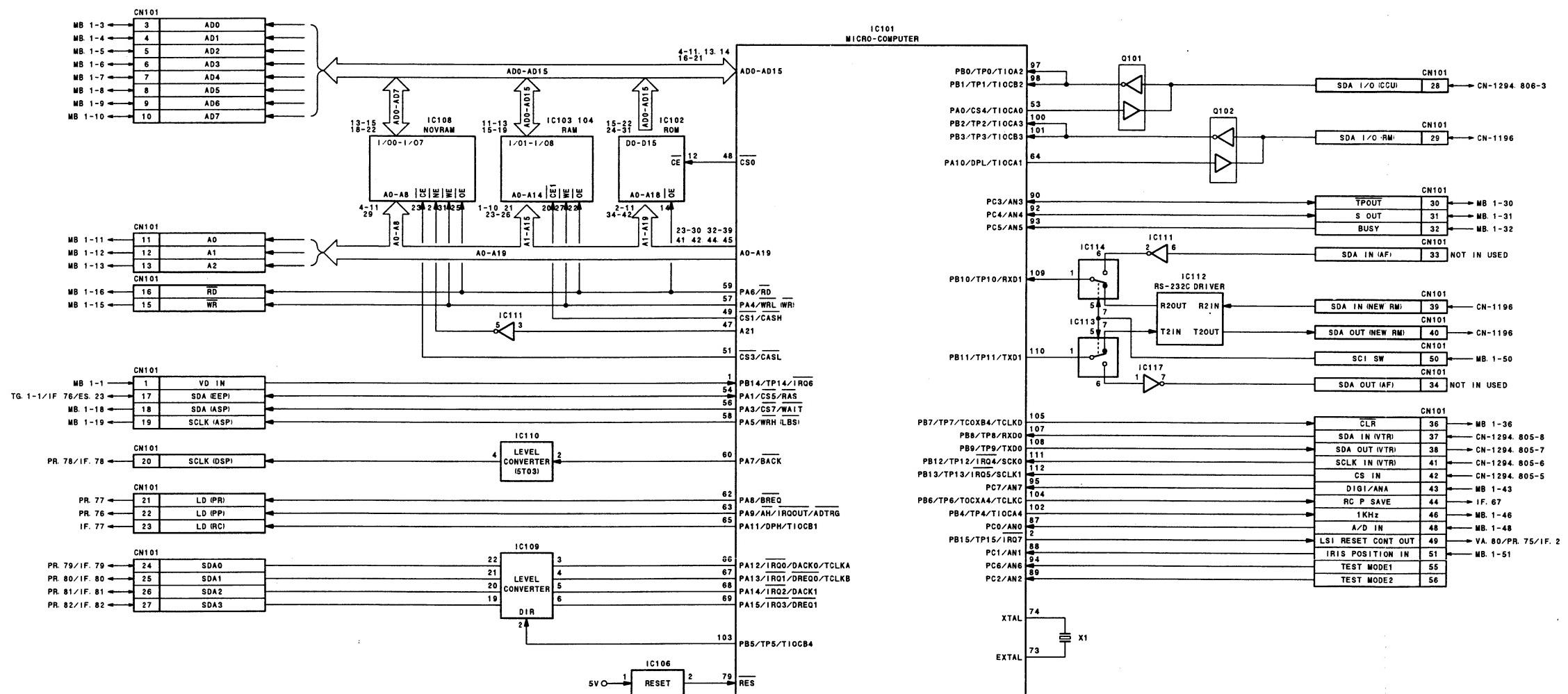
ES-12 / ES-12(P) BLOCK



**ES-12 BLOCK
ES-12(P) BLOCK**

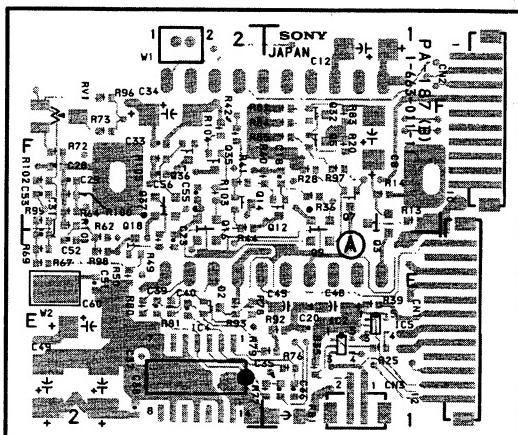
MODEL DXC-D30/D30P
B-DXCD30-ES12BLOCK/M

AT-110 BLOCK

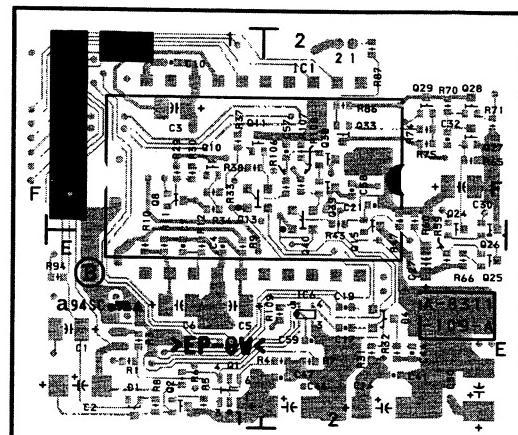


AT-110 BLOCK
MODEL DXC-D30/D30P
B-DXCD30-AT110BLOCK/M

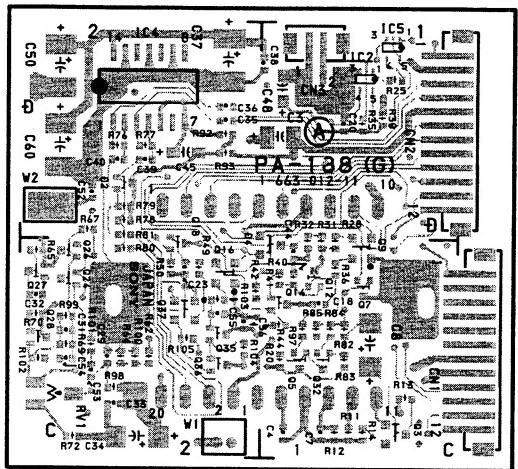
SECTION 5
SCHEMATIC DIAGRAMS AND BOARD ILLUSTRATIONS

PA-187 BOARD

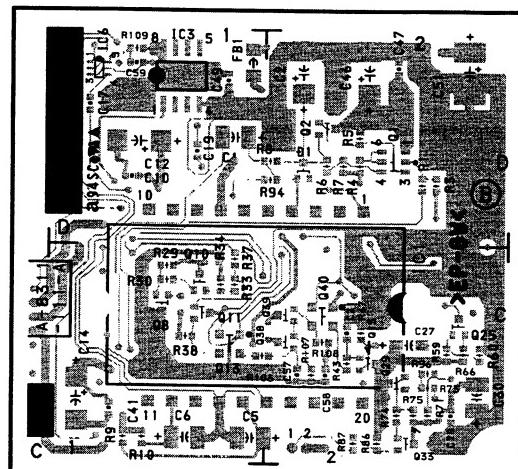
1-663-011-11 A SIDE



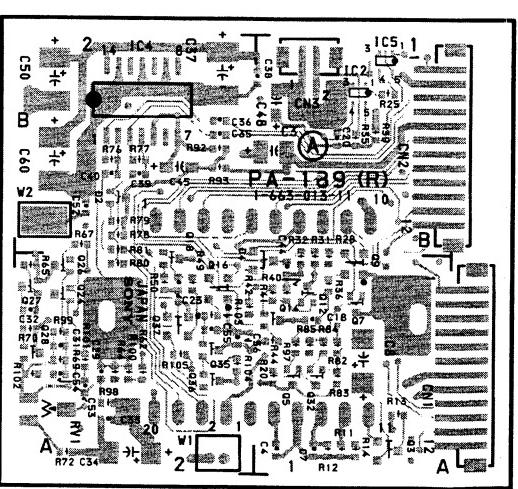
1-663-011-11 B SIDE

PA-188 BOARD

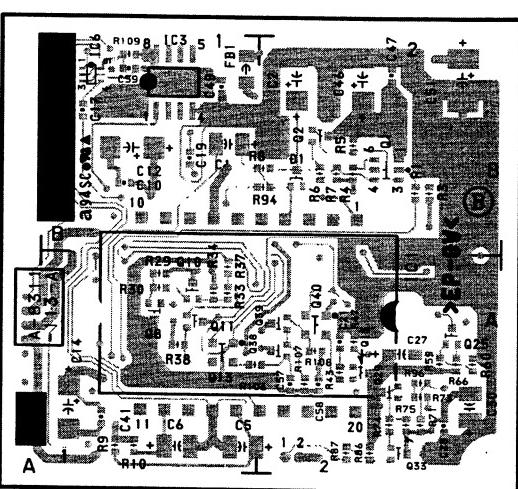
1-663-012-11 A SIDE



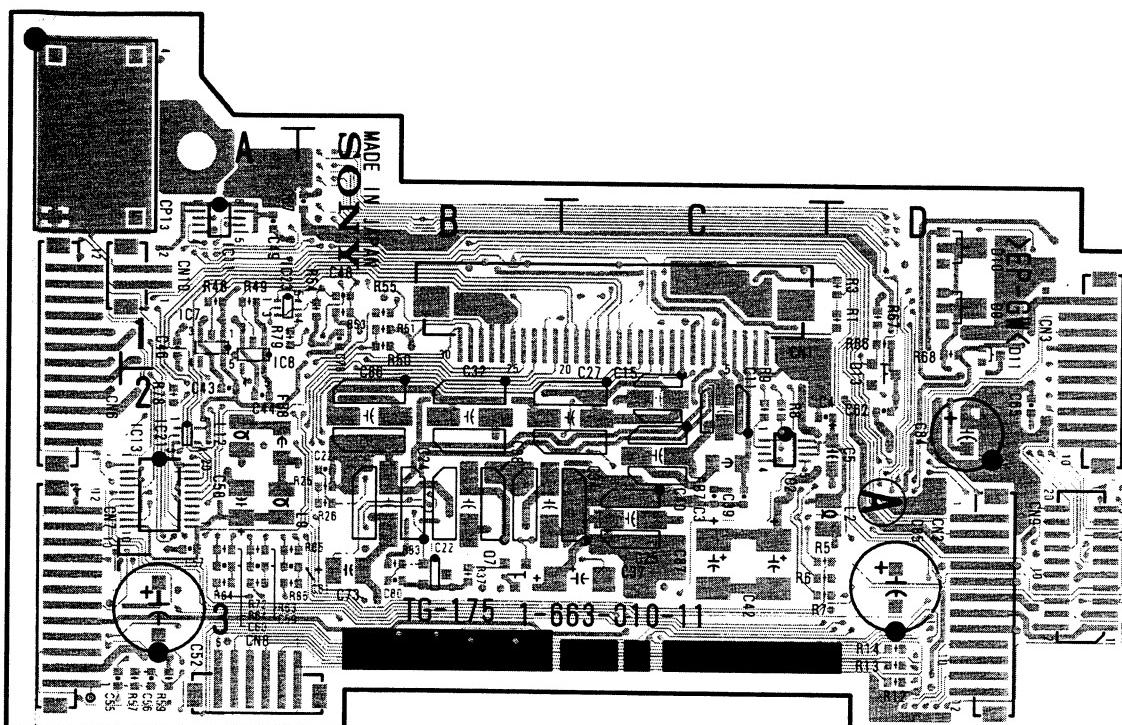
1-663-012-11 B SIDE

PA-189 BOARD

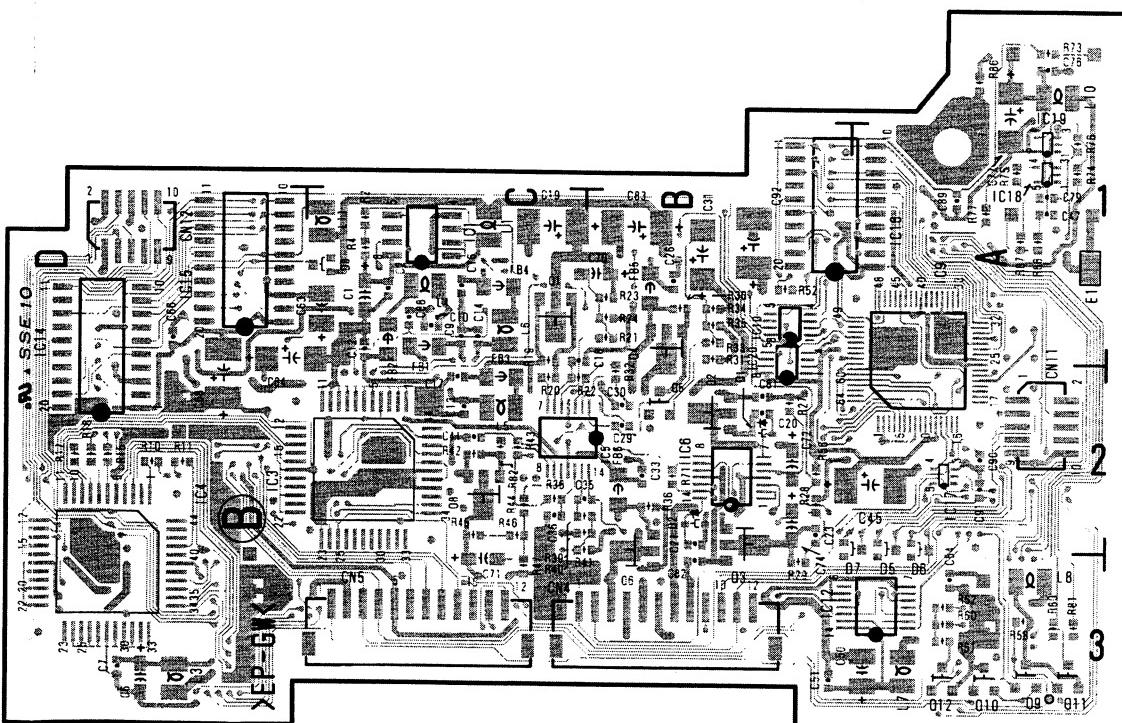
1-663-013-11 A SIDE



1-663-013-11 B SIDE

TG-175 BOARD

1-663-010-11 A SIDE



1-663-010-11 B SIDE

TG-175 (1-663-010-11)

*: B SIDE

| | |
|-------|----|
| CN1 | C1 |
| CN2 | D3 |
| CN3 | D1 |
| *CN4 | B3 |
| *CN5 | C3 |
| CN6 | A1 |
| CN7 | A3 |
| CN8 | A3 |
| CN9 | D3 |
| CN10 | A1 |
| *CN11 | A2 |
| *CN12 | D1 |
| CP1 | A1 |
| *D1 | B2 |
| *D2 | B2 |
| *D5 | A2 |
| *D6 | A2 |
| *D7 | A2 |
| *D8 | C1 |
| D9 | D1 |
| D10 | D1 |
| D11 | D1 |
| *E1 | A1 |

*: C1

*: C2

*: C3

*: D3

*: C2

*: B2

*: A1

*: B1

*: A1

*: A3

*: A2

*: D1

*: D1

*: B1

*: A2

*: B3

*: A1

*: C1

*: D2

*: D3

*: C1

*: C2

*: C1

*: C2

*: B1

*: B2

*: B1

*: B2

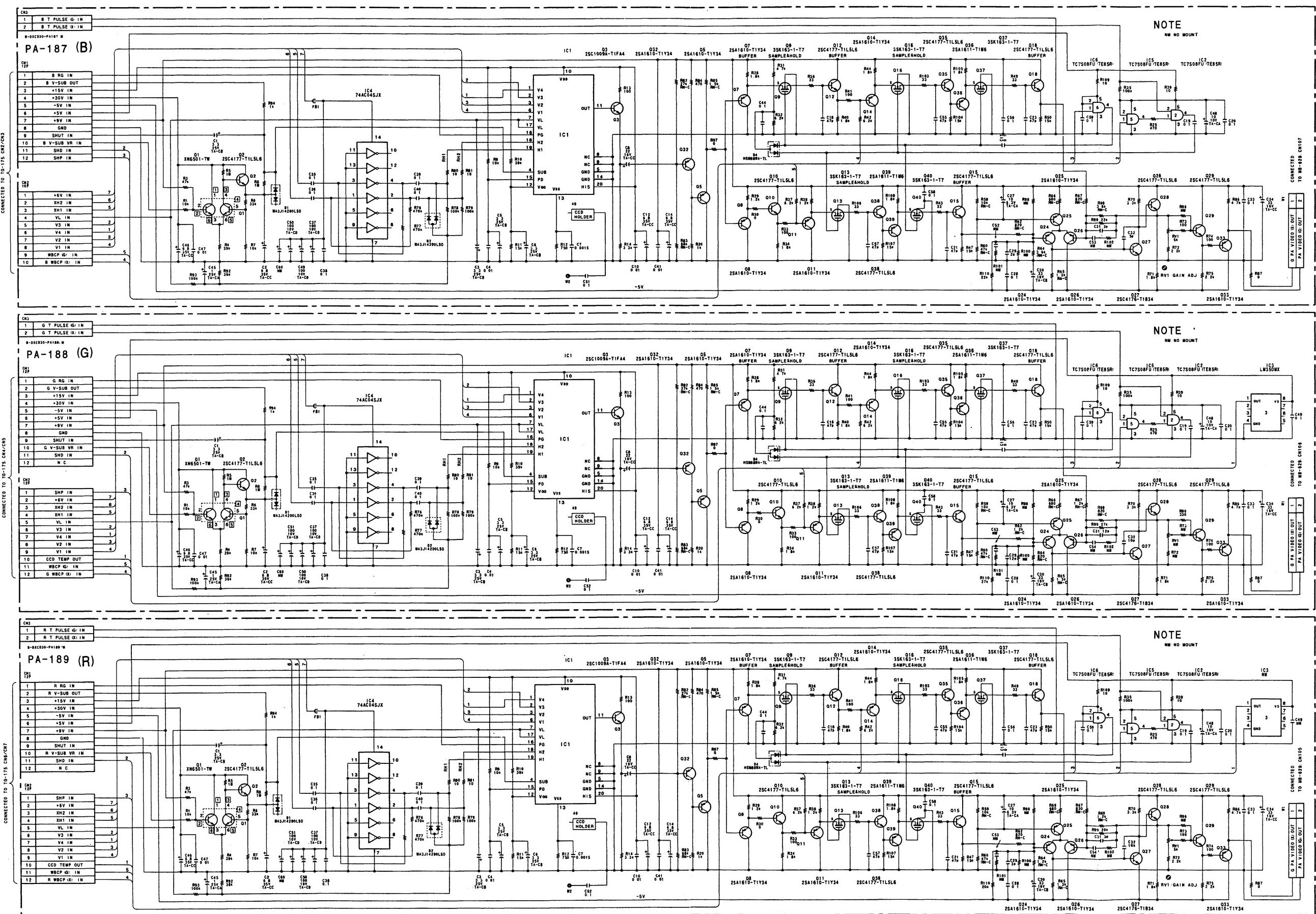
*: B2

*: A3

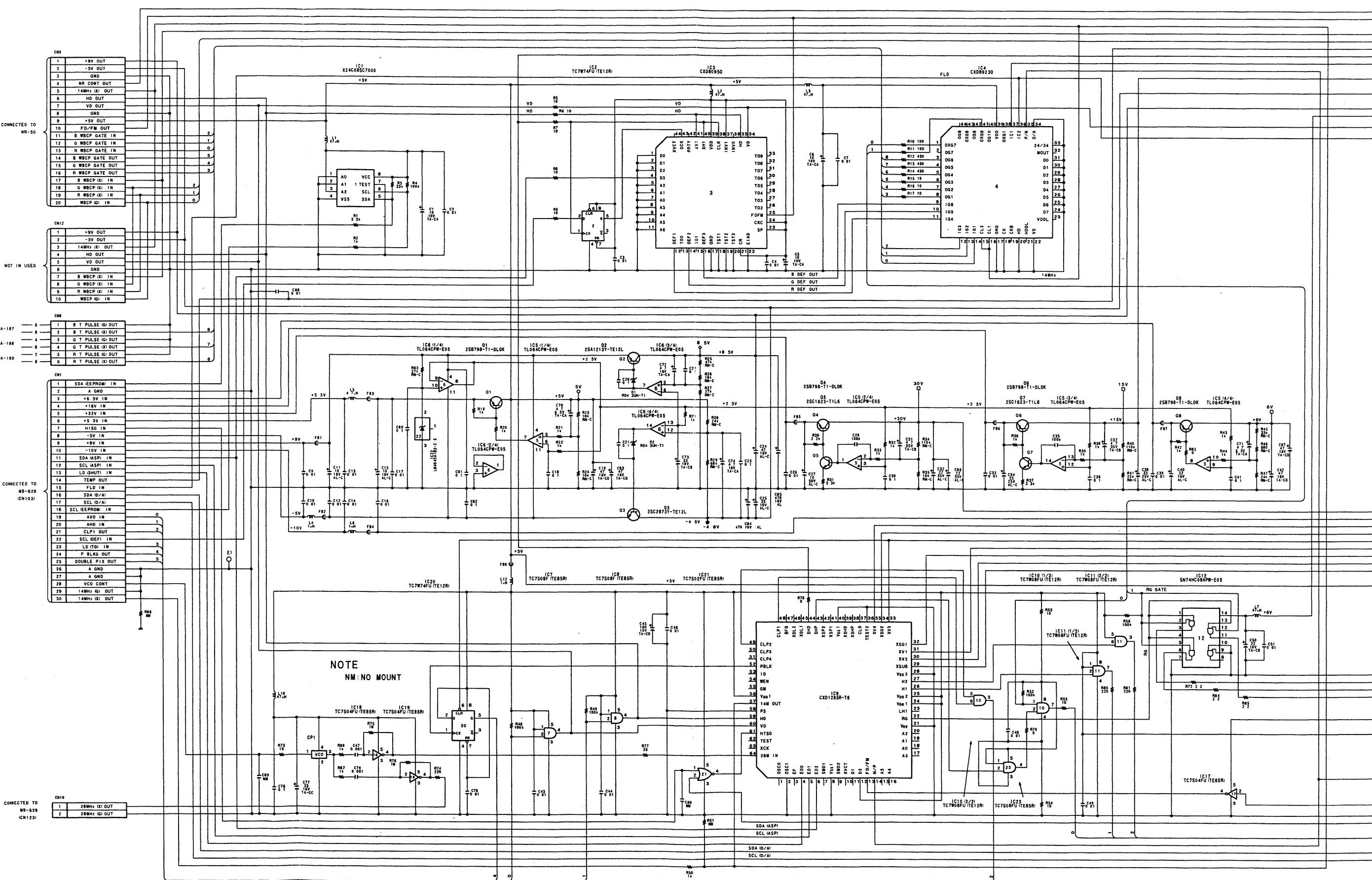
*: A3

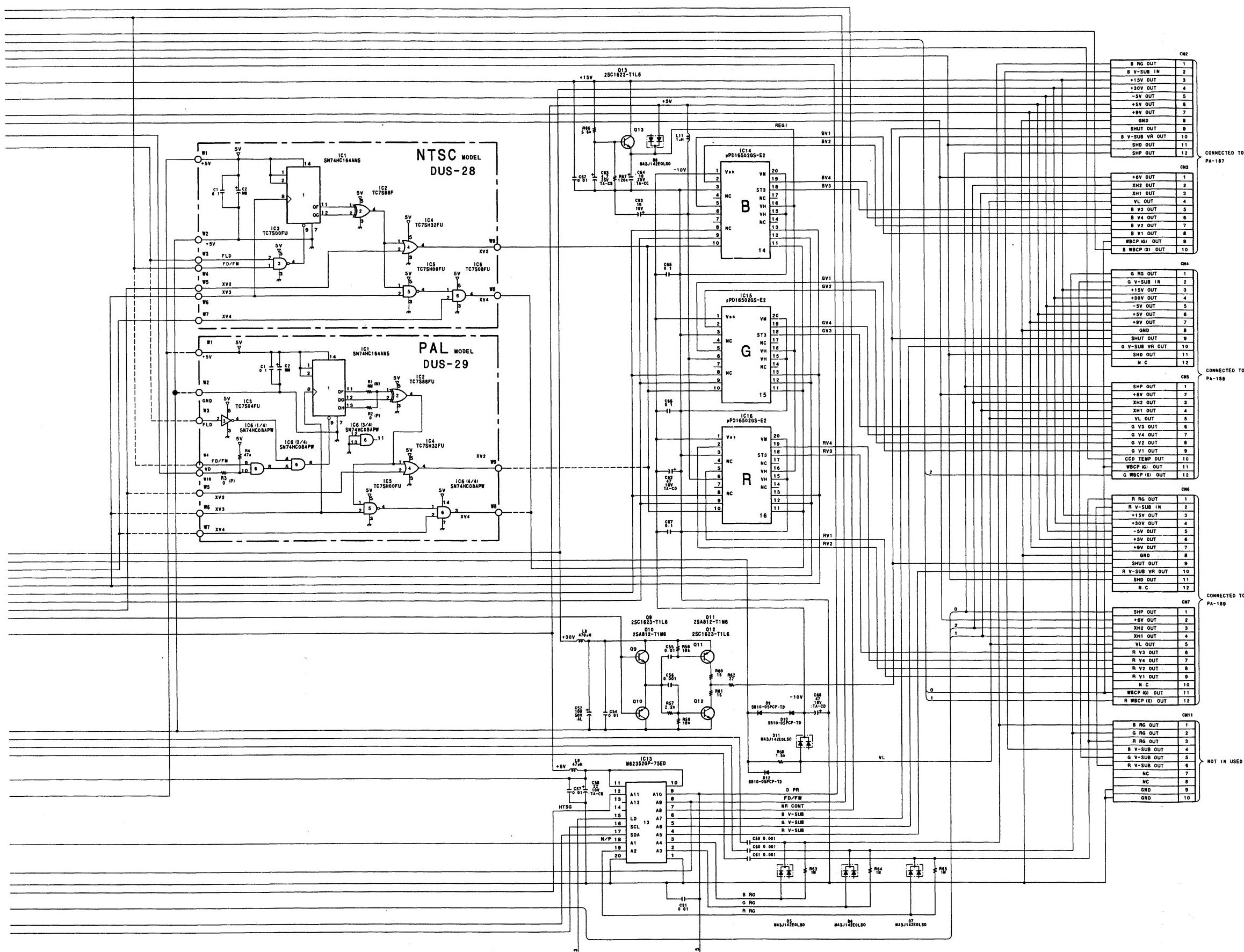
*: D1

DXC-D30 (J/UC)
DXC-D30P (CE)

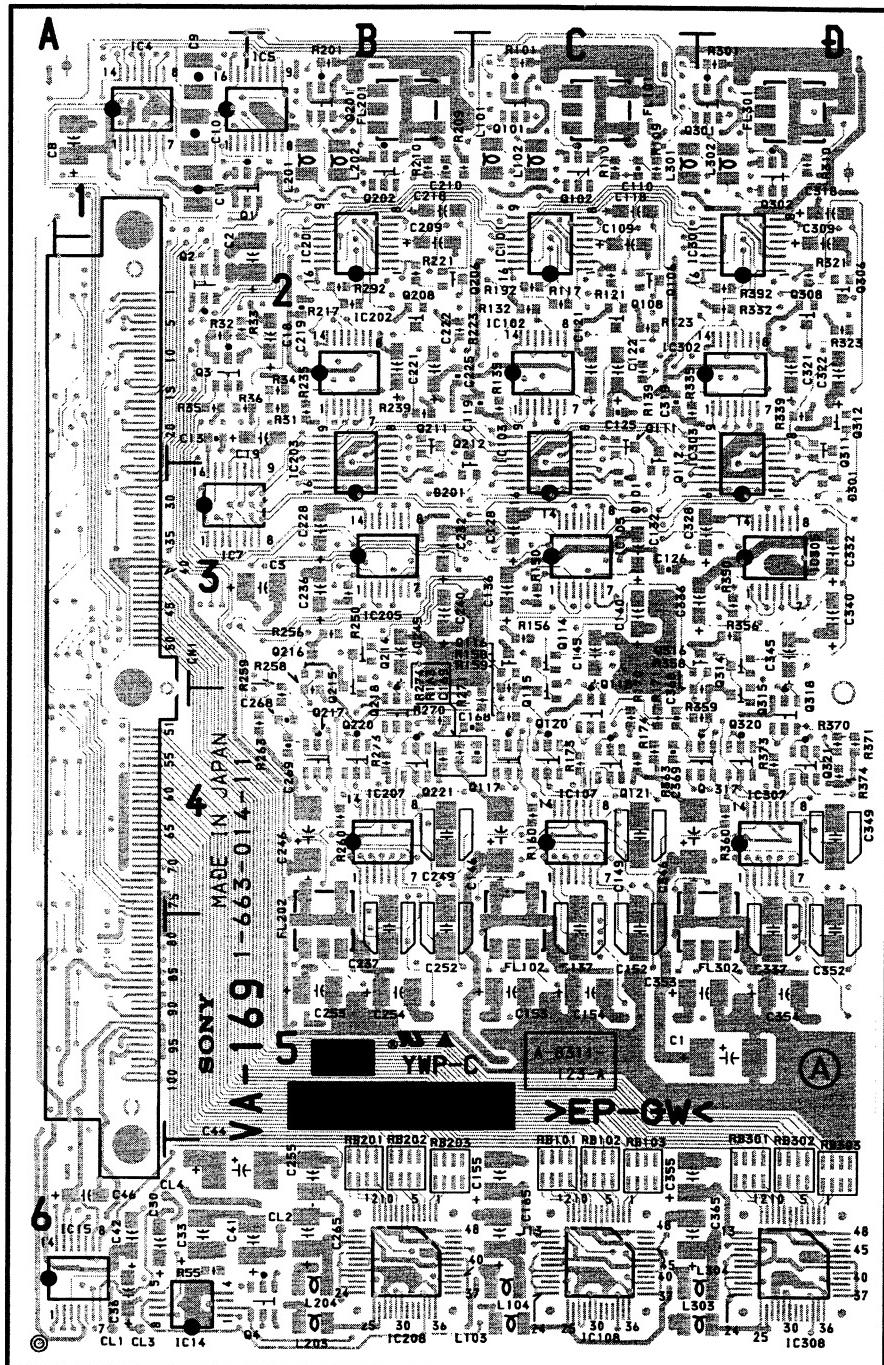


PA-187(B)
PART NO. 1-663-011-11
PA-188(G)
PART NO. 1-663-012-11
PA-189(R)
PART NO. 1-663-013-11
MODEL DXC-D30/D30P
A-DXCD30-PA/M

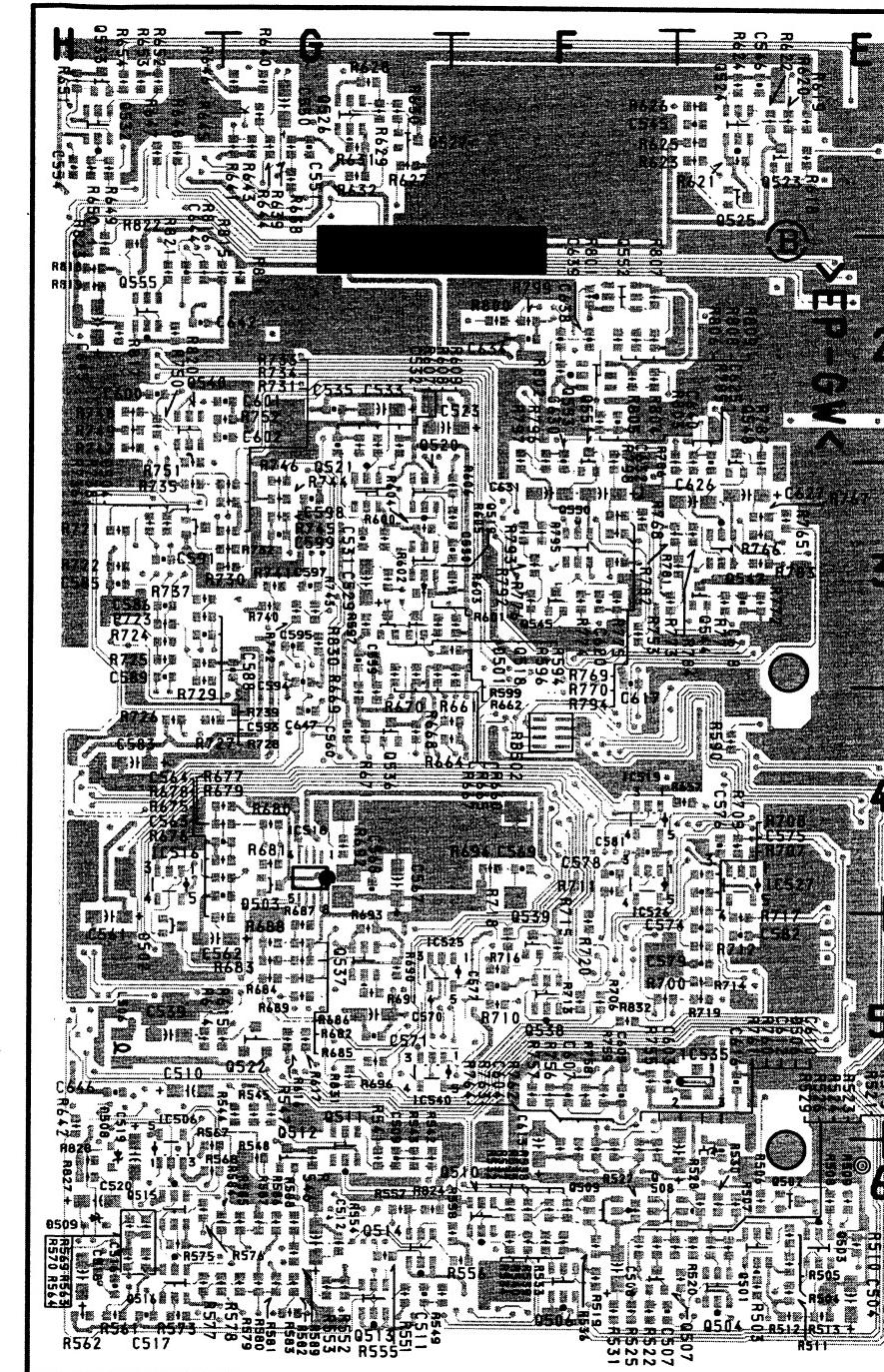




VA-169 BOARD

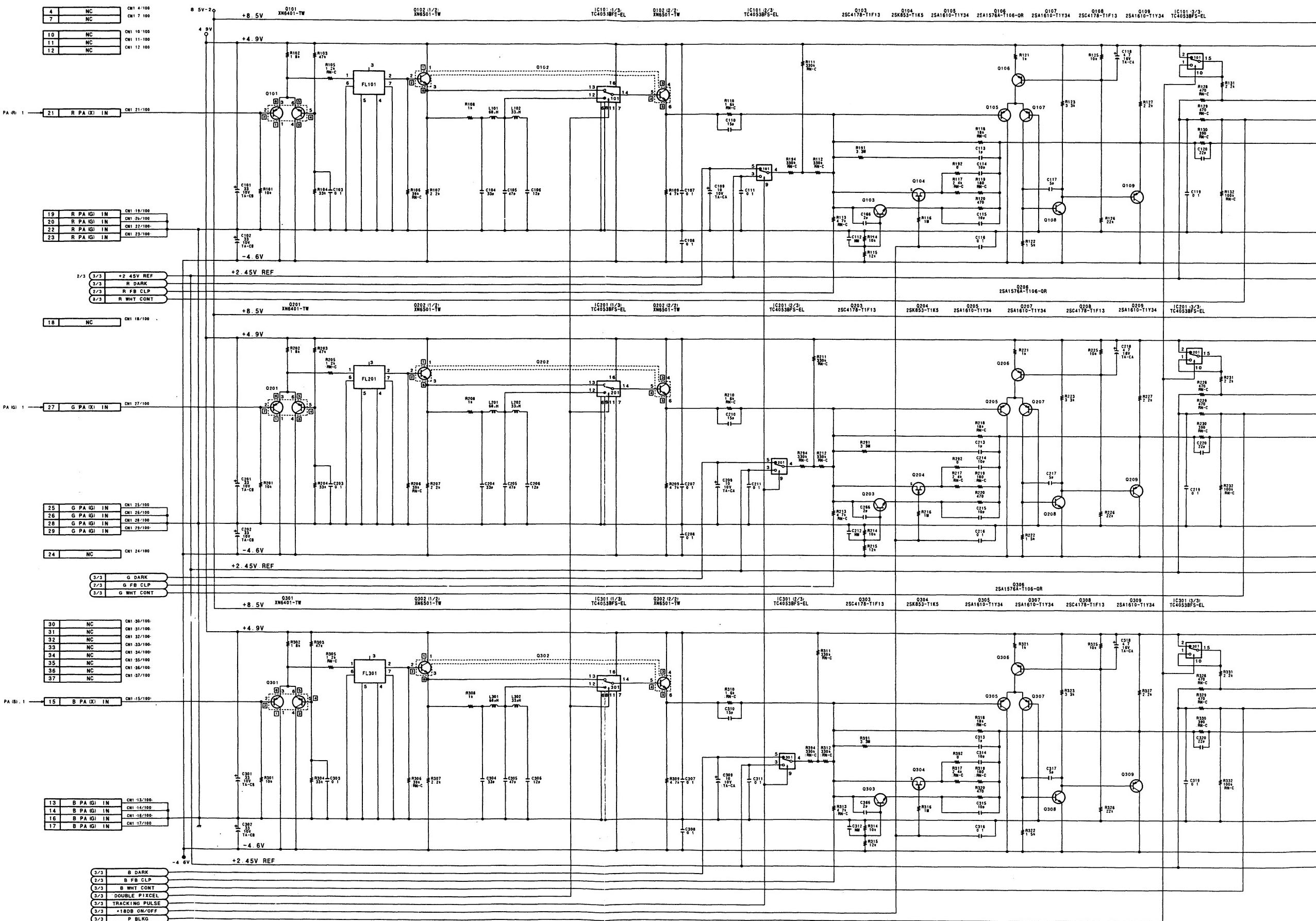


1-663-014-11 A SIDE



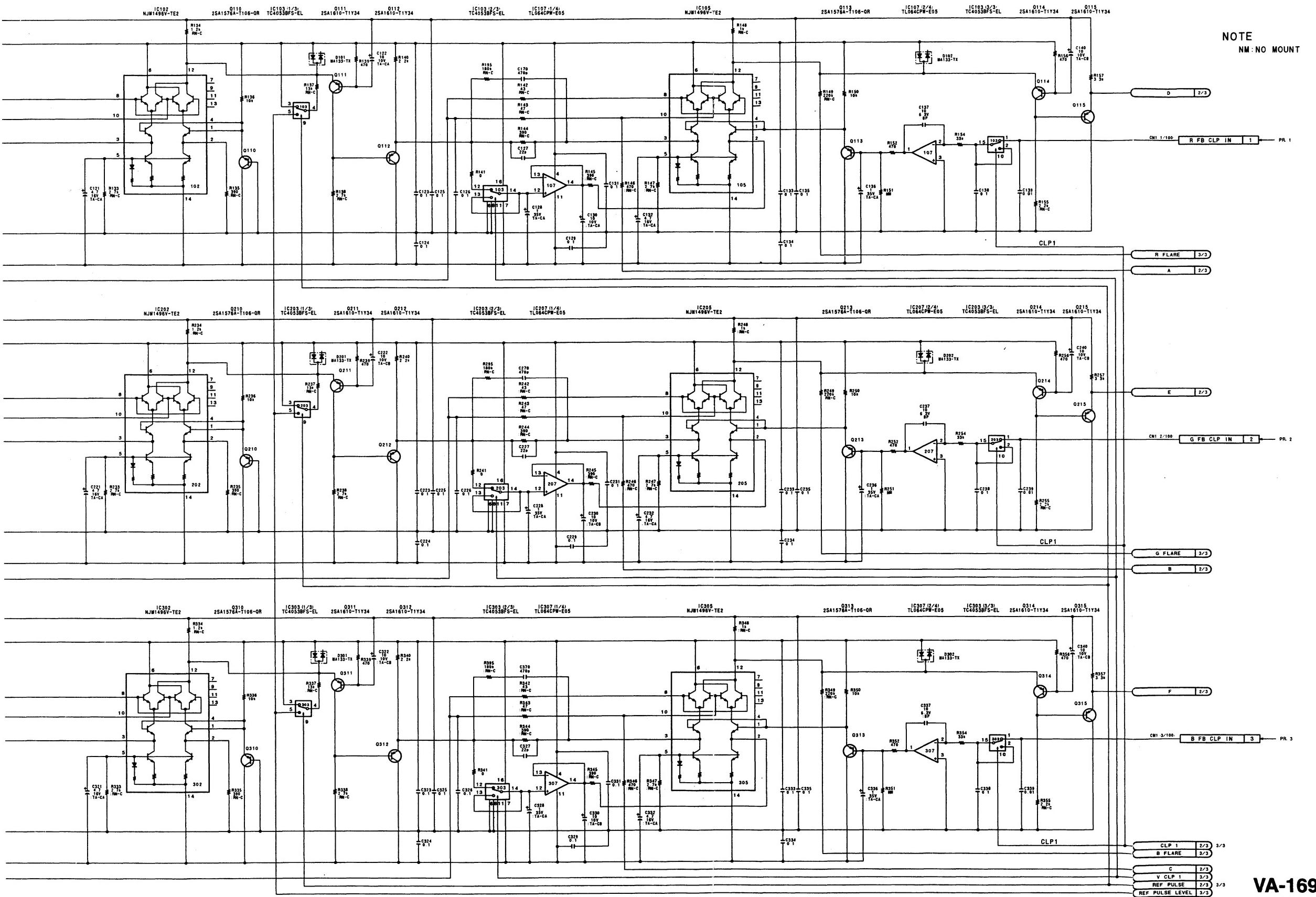
1-663-014-11 B SIDE

| VA-169 (1-663-014-11) | | | |
|-----------------------|----|---|---|
| *: B SIDE | | | |
| CN1 | A3 | *Q7 *Q8 *Q9 Q101 Q102 *Q103 *Q104 *Q105 Q106 *Q107 *Q108 *Q109 *Q110 Q111 Q112 *Q113 A3 | B5 B6 RB103 C6 RB201 B6 RB202 B6 C1 RB203 D6 RB301 D6 RB302 D6 RB303 D6 |
| *D1 | A1 | *Q10 A5 | |
| *D4 | B5 | Q101 C1 | |
| *D5 | A5 | Q102 C1 | |
| D101 | C3 | *Q103 C2 | |
| *D102 | C3 | *Q104 C2 | |
| D201 | B3 | *Q105 C2 | |
| *D202 | B3 | Q106 C2 | |
| D301 | D3 | *Q107 C2 | |
| *D302 | D3 | *Q108 C2 | |
| FL101 | C1 | *Q109 C2 | |
| FL201 | B1 | Q111 C2 | |
| FL301 | D1 | Q112 C2 | |
| *IC1 | A3 | *Q113 C3 | |
| *IC2 | A4 | Q114 C4 | |
| *IC3 | A2 | Q115 C3 | |
| IC4 | A1 | Q116 C4 | |
| IC5 | B1 | Q117 C4 | |
| IC7 | A3 | Q118 C4 | |
| *IC9 | A2 | Q119 C4 | |
| *IC10 | A2 | Q120 C4 | |
| *IC11 | A3 | Q121 B1 | |
| *IC12 | A4 | Q201 B1 | |
| *IC13 | A5 | *Q202 B2 | |
| IC14 | A6 | *Q203 B2 | |
| IC15 | A6 | *Q204 B2 | |
| IC101 | C2 | *Q205 B2 | |
| IC102 | C2 | *Q206 B2 | |
| IC103 | C2 | *Q207 B2 | |
| *IC105 | C3 | *Q208 B2 | |
| IC106 | C5 | *Q209 B2 | |
| IC107 | C4 | *Q210 B2 | |
| IC108 | C6 | Q211 B2 | |
| IC201 | B2 | *Q212 B3 | |
| IC202 | B2 | *Q213 B3 | |
| IC203 | B2 | *Q214 B3 | |
| IC205 | B3 | *Q215 B3 | |
| *IC206 | B5 | *Q216 B4 | |
| IC207 | B4 | Q217 B4 | |
| IC208 | B6 | *Q218 B4 | |
| IC301 | D2 | *Q219 B4 | |
| IC302 | D2 | Q220 B4 | |
| IC303 | D2 | Q221 D1 | |
| IC305 | D3 | Q301 D1 | |
| *IC306 | D5 | *Q303 D2 | |
| IC307 | D4 | *Q304 D2 | |
| IC308 | D6 | *Q305 D2 | |
| L1 | A6 | *Q306 D2 | |
| L101 | C1 | *Q307 D2 | |
| L102 | C1 | Q308 D2 | |
| L103 | C6 | *Q309 D2 | |
| L104 | C6 | *Q310 D2 | |
| L201 | B1 | Q311 D2 | |
| L202 | B1 | Q312 D2 | |
| L203 | B6 | *Q313 D3 | |
| L204 | B6 | Q314 D3 | |
| L301 | C1 | Q315 D4 | |
| L302 | D1 | Q316 D3 | |
| L303 | D6 | Q317 D4 | |
| L304 | D6 | Q318 D4 | |
| Q1 | B1 | Q319 D4 | |
| Q2 | A2 | Q320 D4 | |
| Q3 | A2 | *RB1 A3 | |
| Q4 | B6 | *RB2 A3 | |
| *Q6 | A6 | RB101 C6 | |



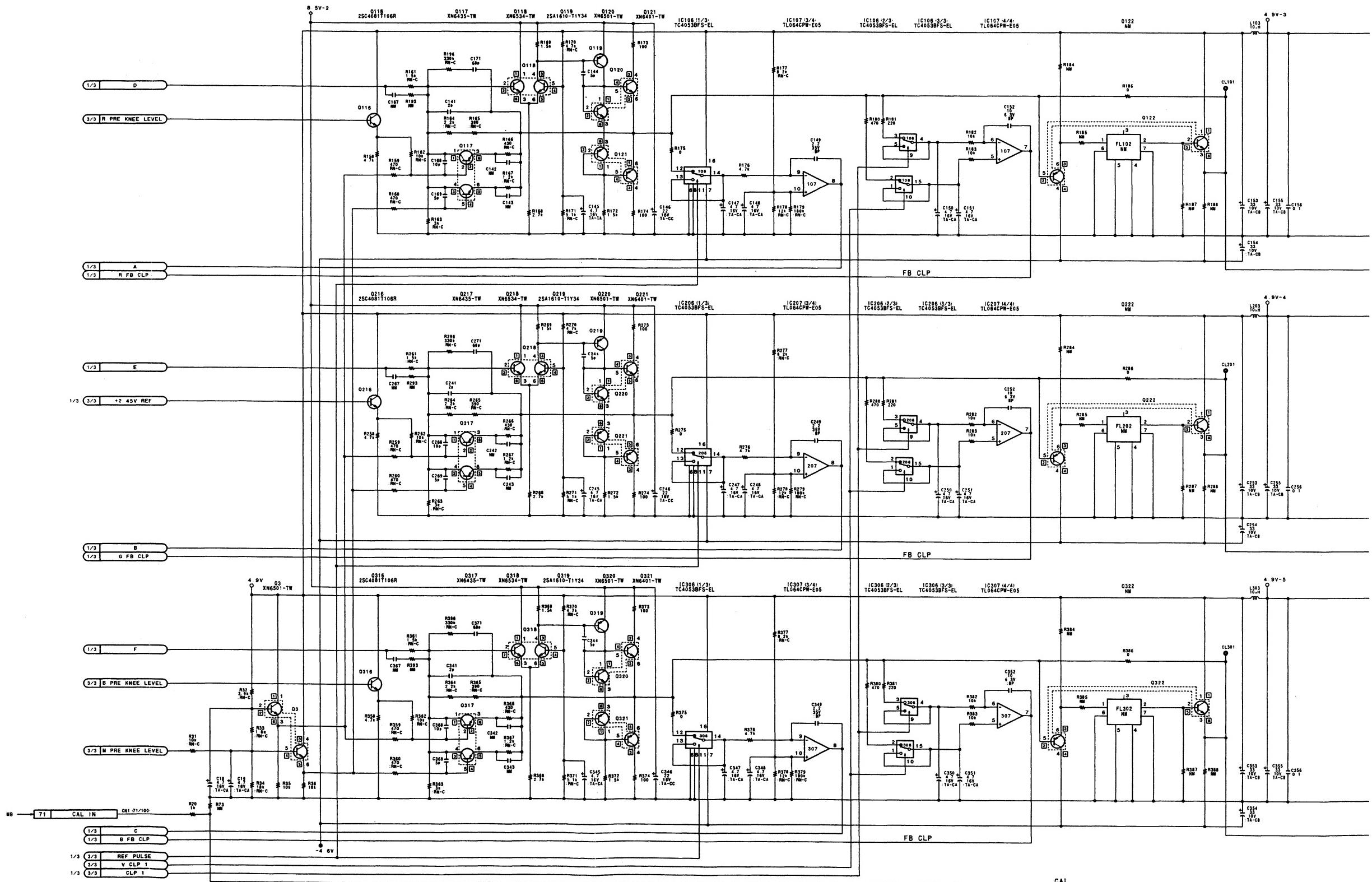
VA-169(1/3)

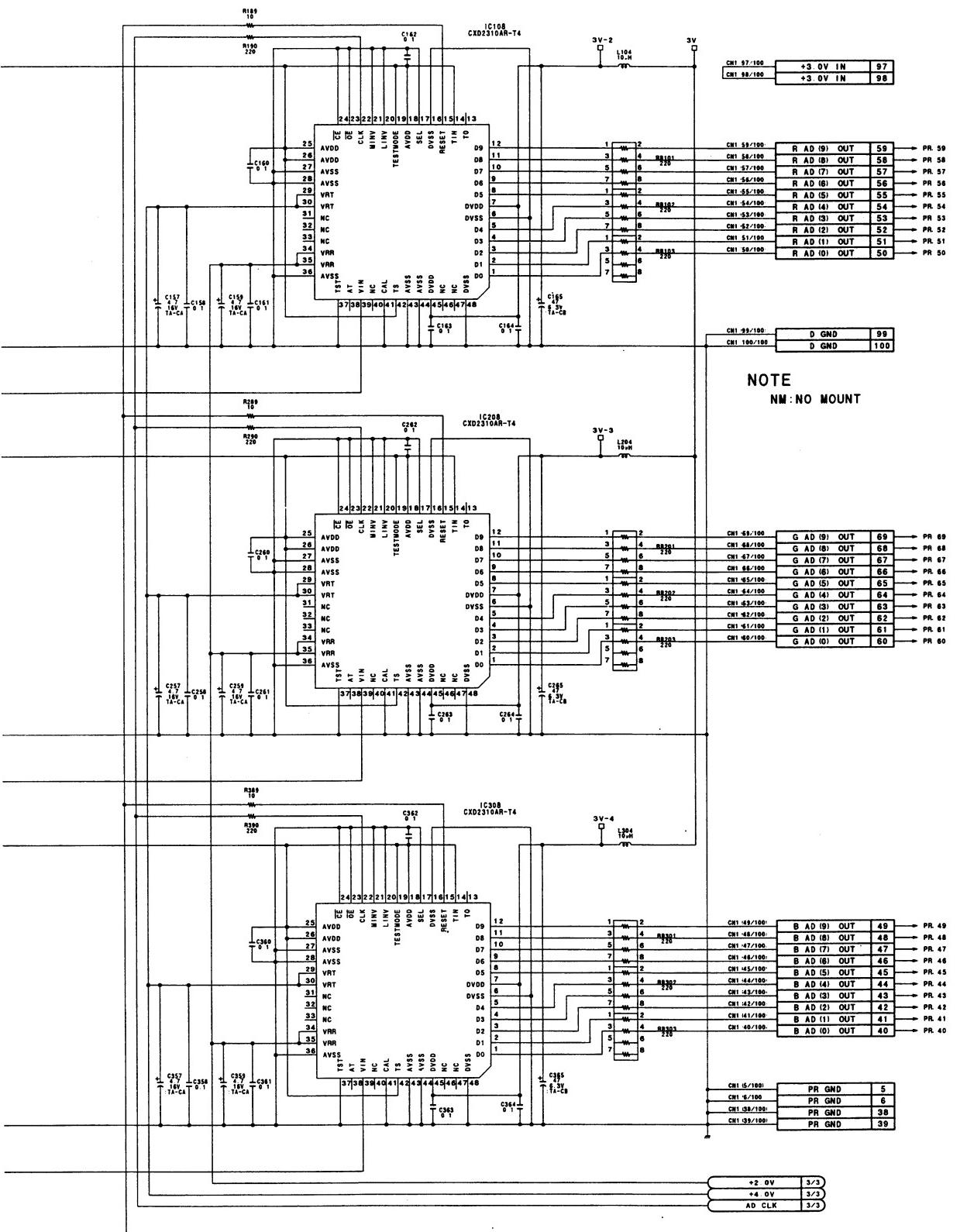
VA-169(1/3)



VA-169(1/3)

PART NO. 1-663-014-11
MODEL DXC-D30/D30P
B-DXCD30-VA169/M

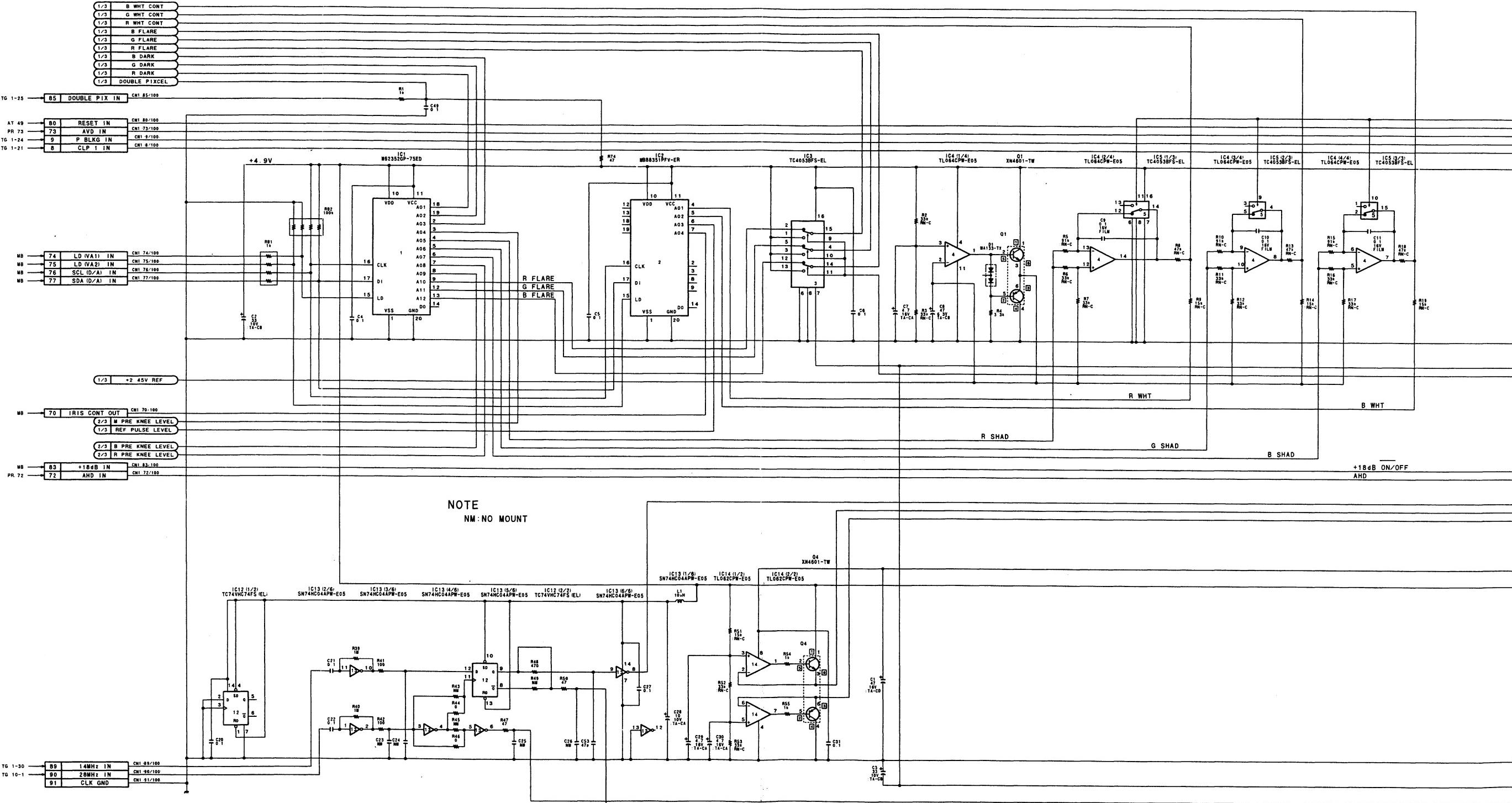


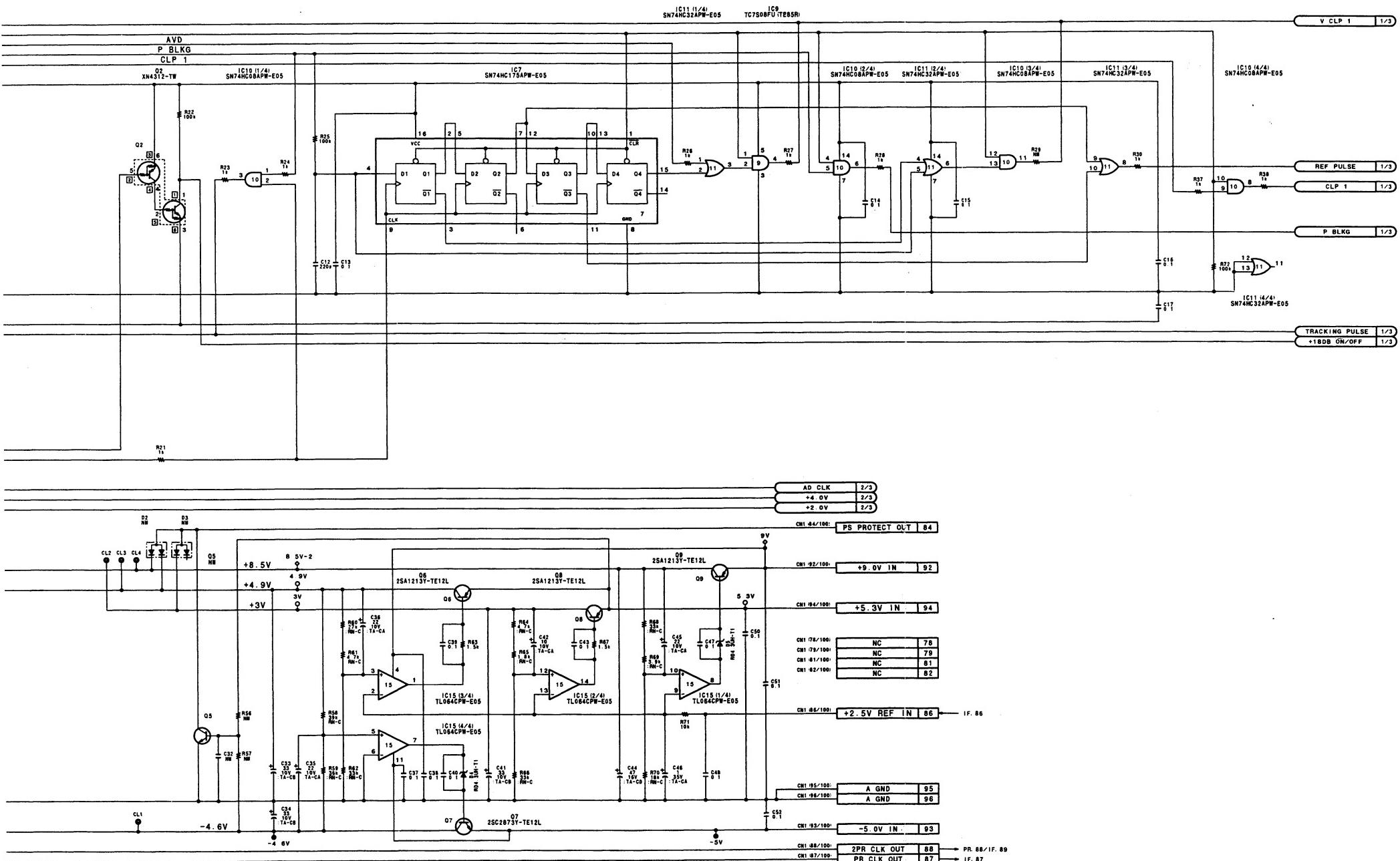


VA-169(2/3)

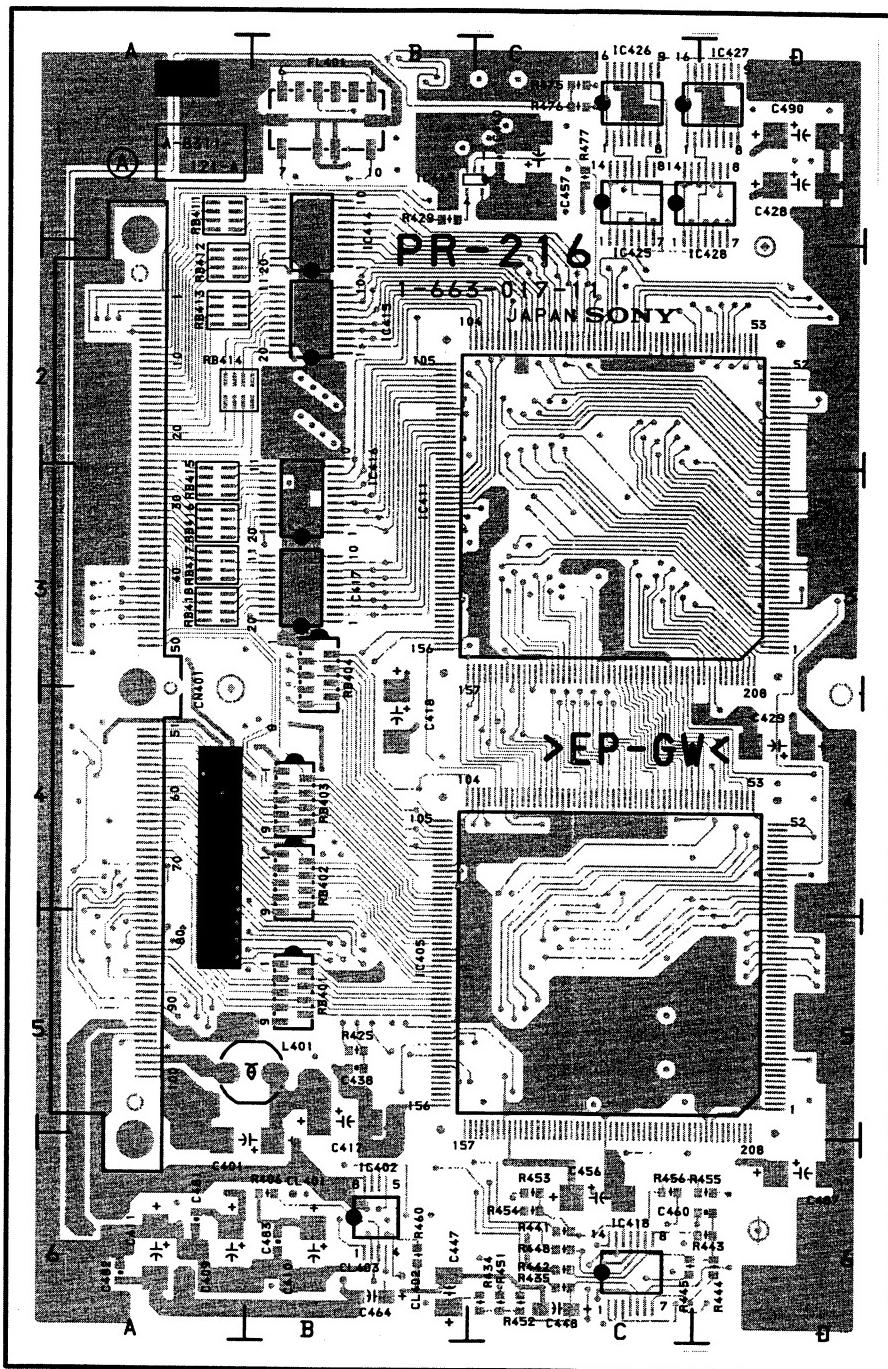
PART NO. 1-663-014-11
MODEL DXC-D30/D30P
B-DXCD30-VA169/M



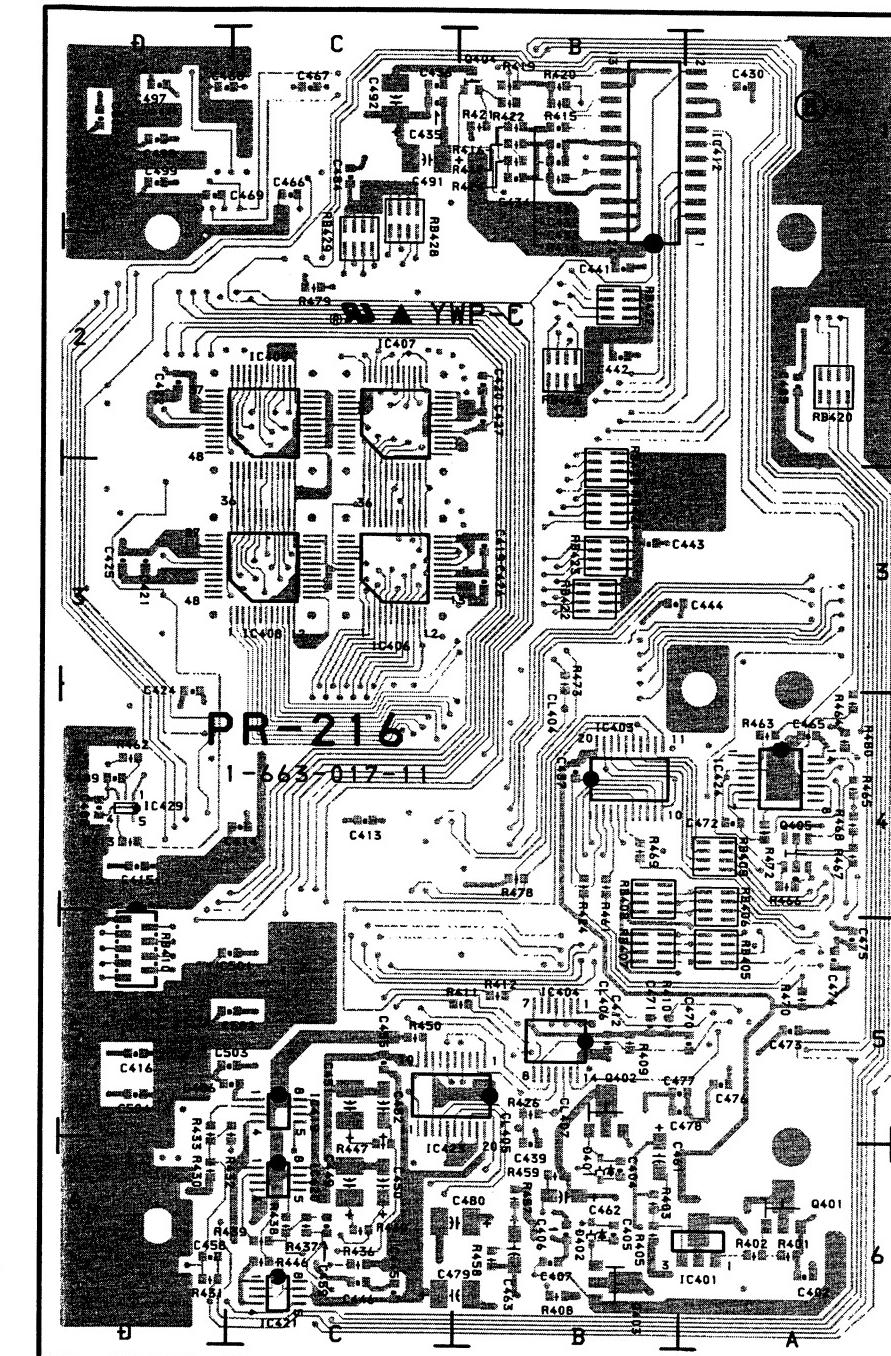




PR-216 BOARD



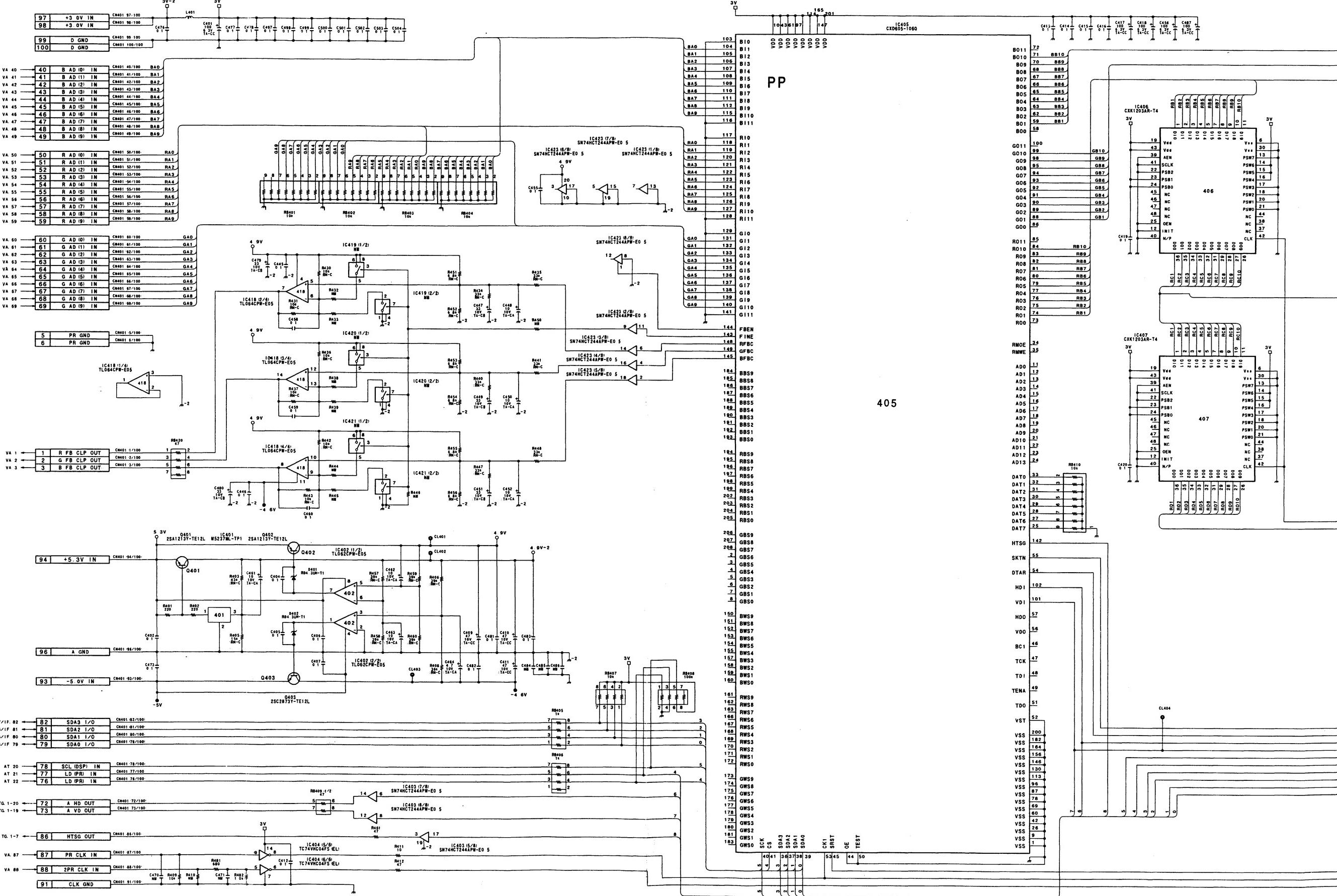
1-663-017-11 A SIDE

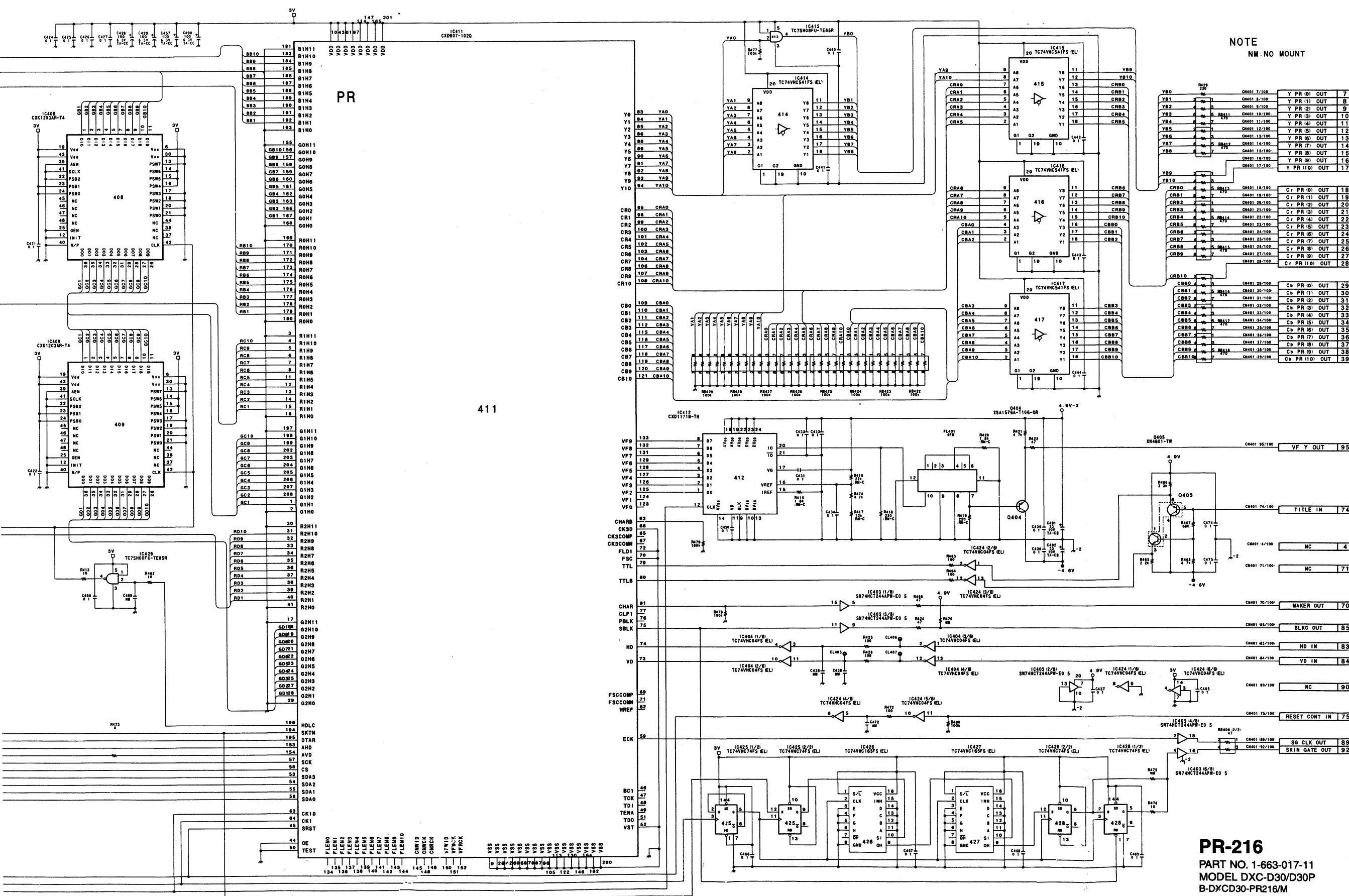


1-663-017-11 B SIDE

PR-216 (1-663-017-11)

| |
|-----------|
| *: B SIDE |
| CN401 A3 |
| *D401 B6 |
| *D402 B6 |
| FL401 B1 |
| *IC401 A6 |
| IC402 B6 |
| *IC403 B4 |
| *IC404 B5 |
| IC405 C5 |
| *IC406 C3 |
| *IC407 C2 |
| *IC408 C3 |
| *IC409 C2 |
| IC411 C3 |
| *IC412 B1 |
| IC413 B1 |
| IC414 B1 |
| IC415 B2 |
| IC416 B3 |
| IC417 B3 |
| IC418 C6 |
| *IC423 C5 |
| *IC424 A4 |
| IC425 C1 |
| IC426 C1 |
| IC427 D1 |
| IC428 D1 |
| *IC429 D4 |
| L401 B5 |
| *Q401 A6 |
| *Q402 B5 |
| *Q403 B6 |
| *Q404 B1 |
| *Q405 A4 |
| RB401 B5 |
| RB402 B4 |
| RB403 B4 |
| RB404 B3 |
| *RB405 A5 |
| *RB406 A4 |
| *RB407 B5 |
| *RB408 B4 |
| *RB409 A4 |
| *RB410 D5 |
| RB411 A1 |
| RB412 A2 |
| RB413 A2 |
| RB414 A2 |
| RB415 A3 |
| RB416 A3 |
| RB417 A3 |
| RB418 A3 |
| *RB420 A2 |
| *RB422 B3 |
| *RB423 B3 |
| *RB424 B3 |
| *RB425 B3 |
| *RB426 B2 |
| *RB427 B2 |
| *RB428 C1 |
| *RB429 C2 |





NOTE
NM: NO MOUNT

1

2

2

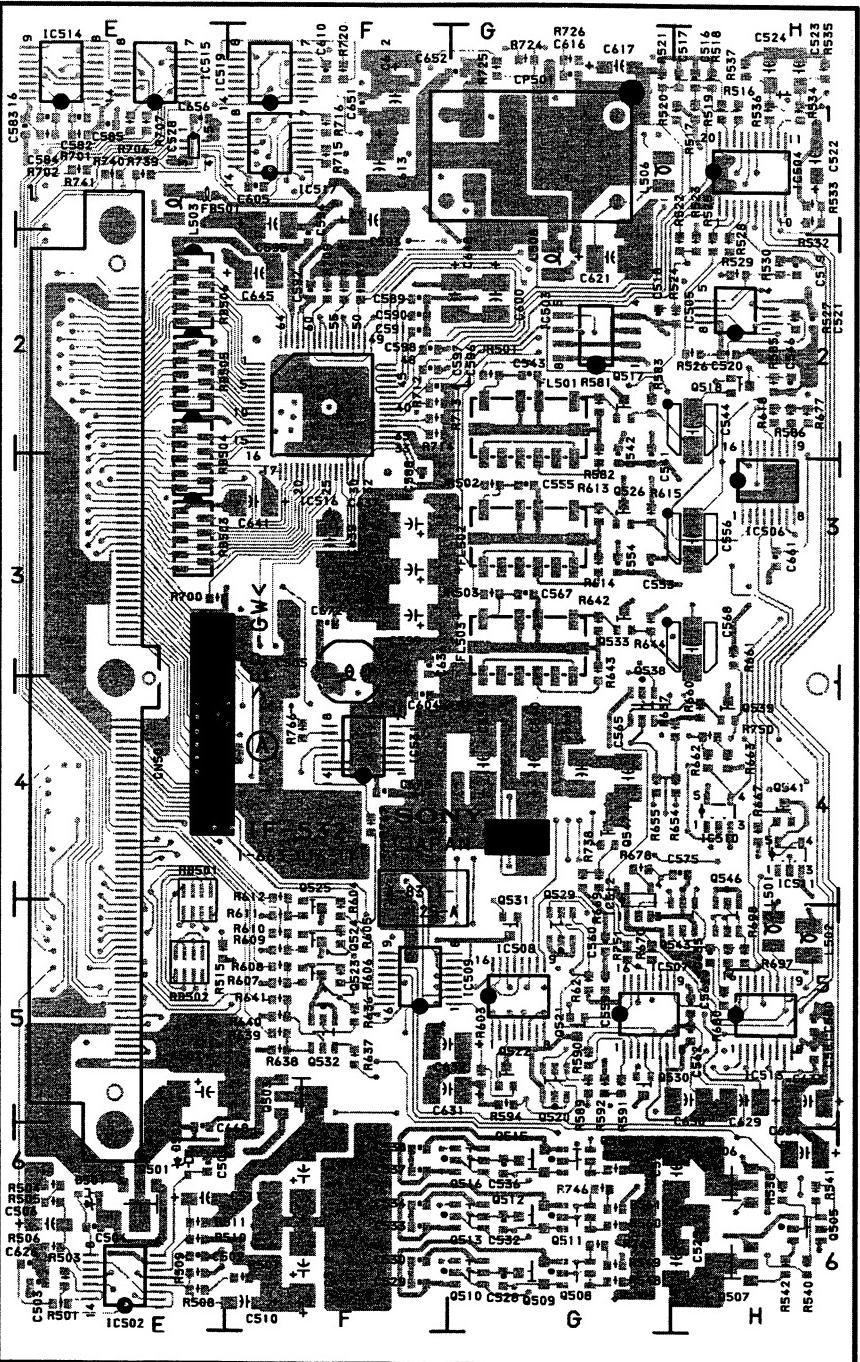
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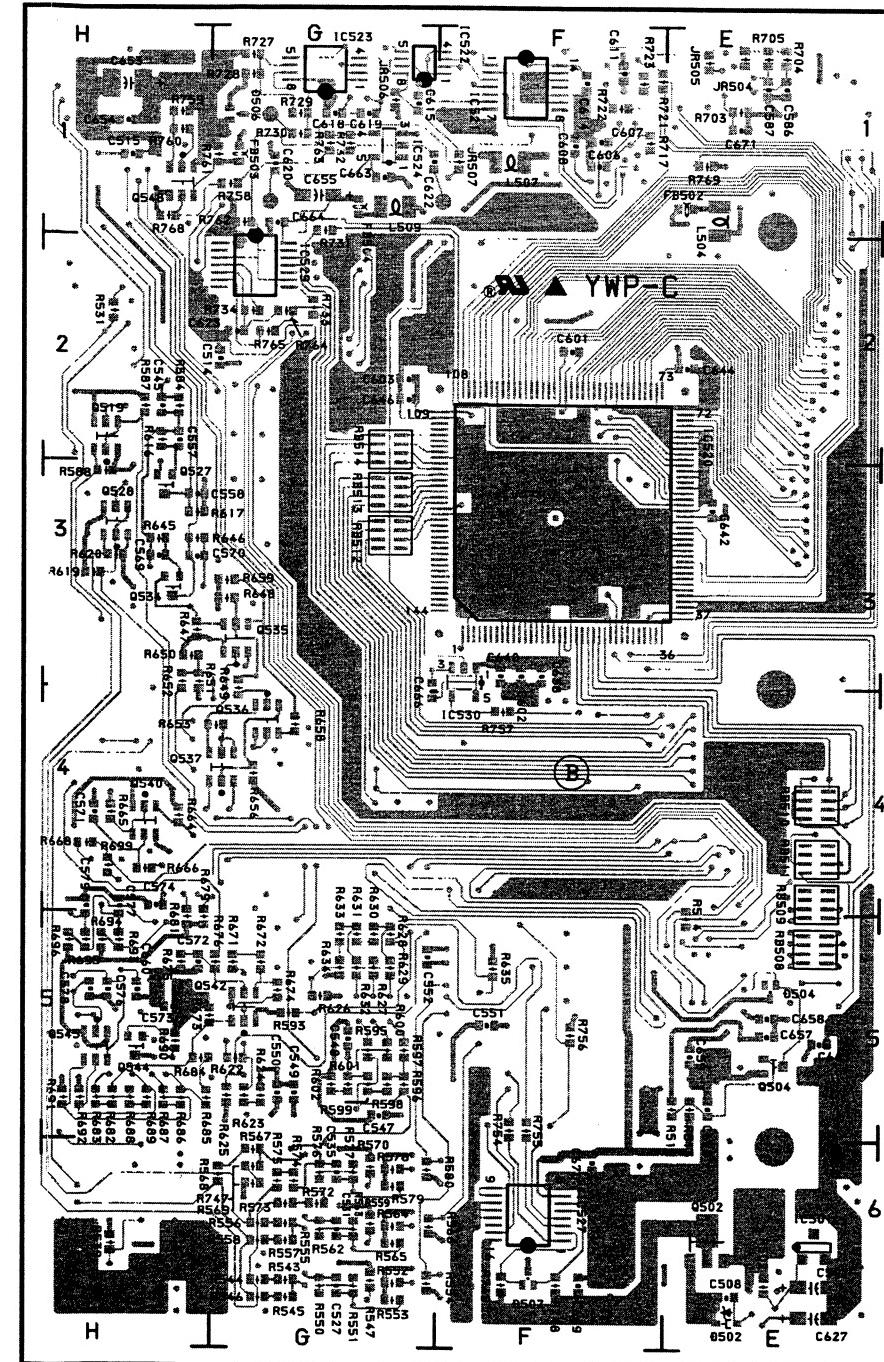
PR-216

PART NO. 1-663-017-11
MODEL DXC-D30/D30P
B-DXCD30-PR216/M

IF-532 BOARD

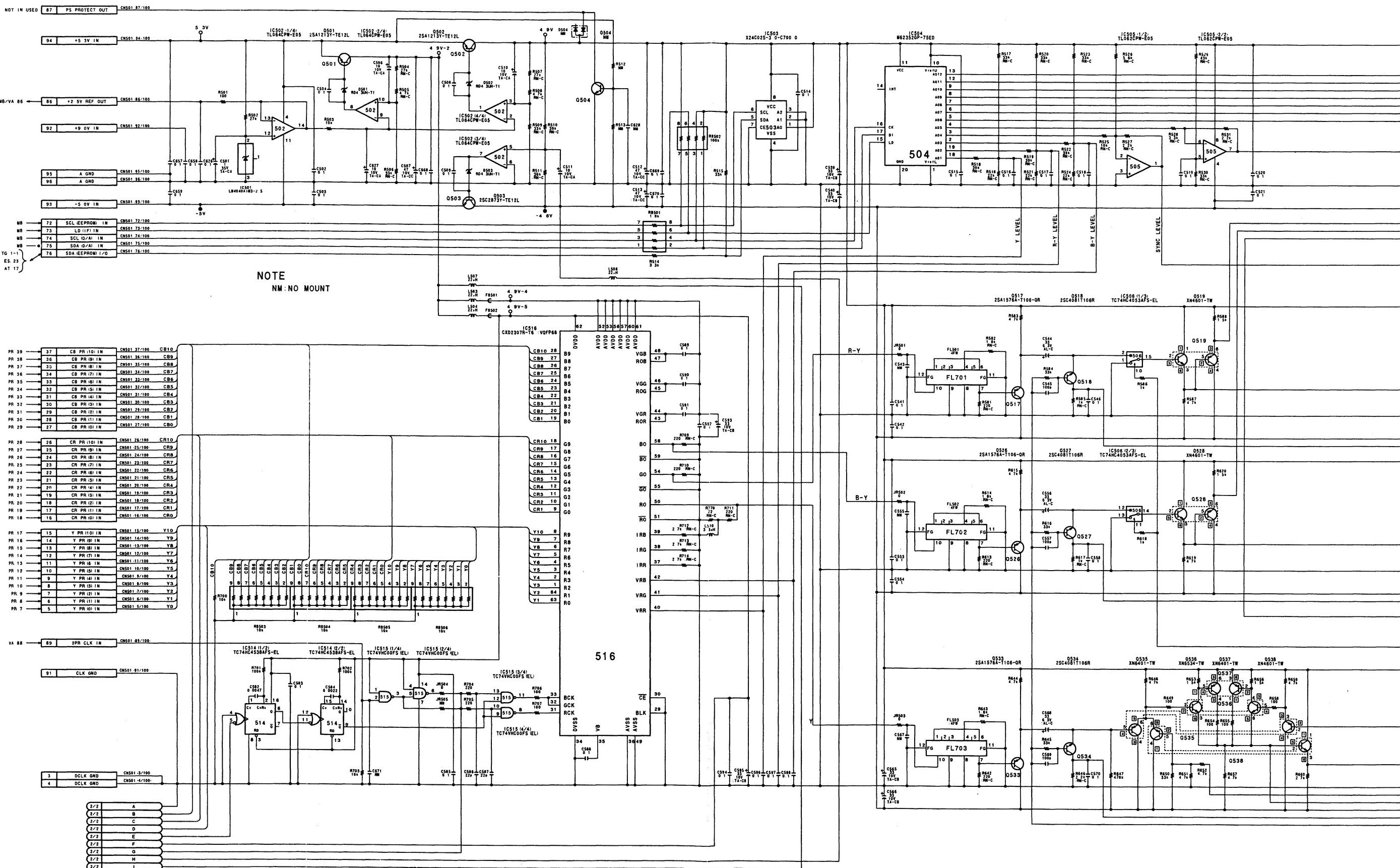


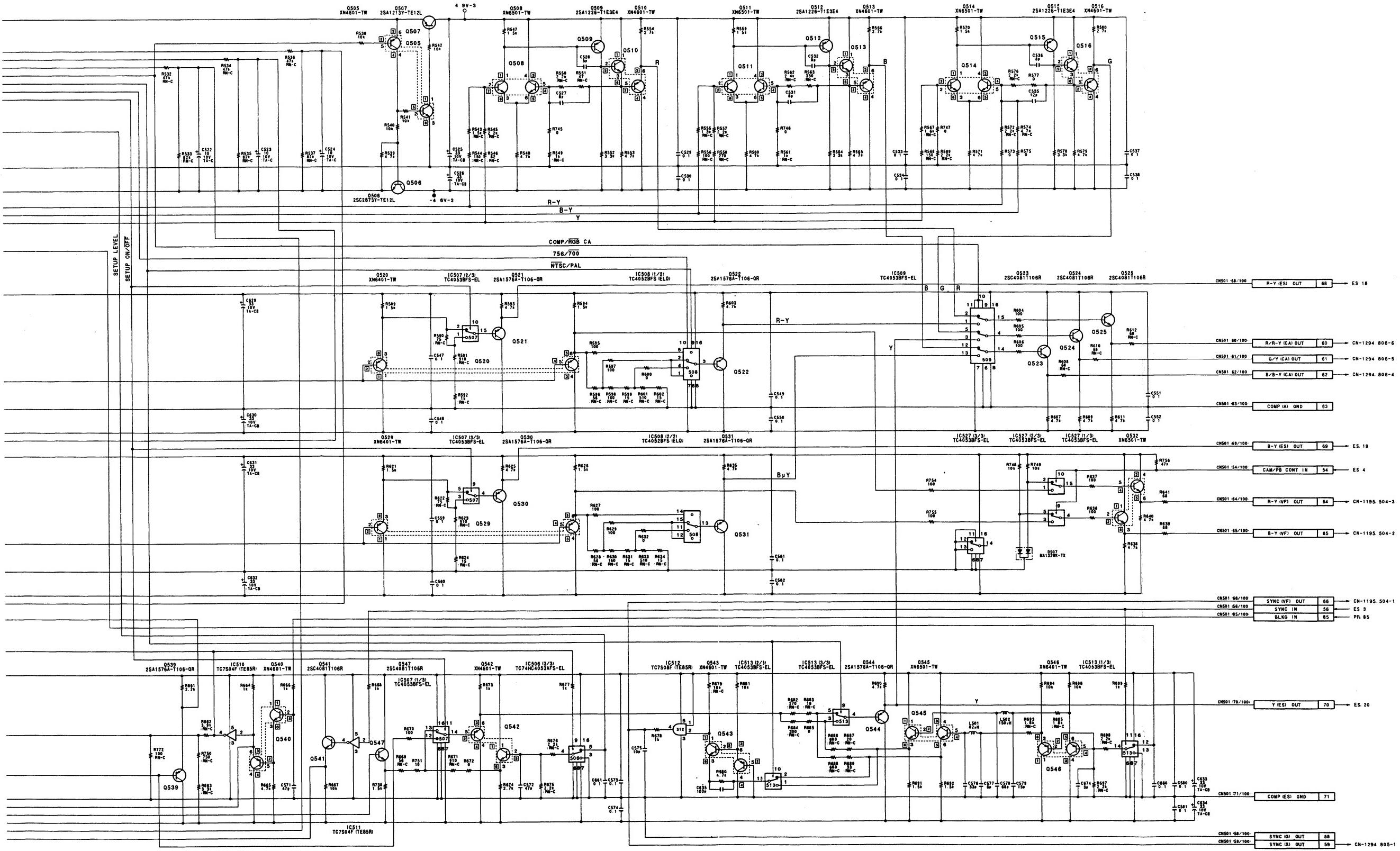
1-663-016-11 A SIDE



1-663-016-11 B SIDE

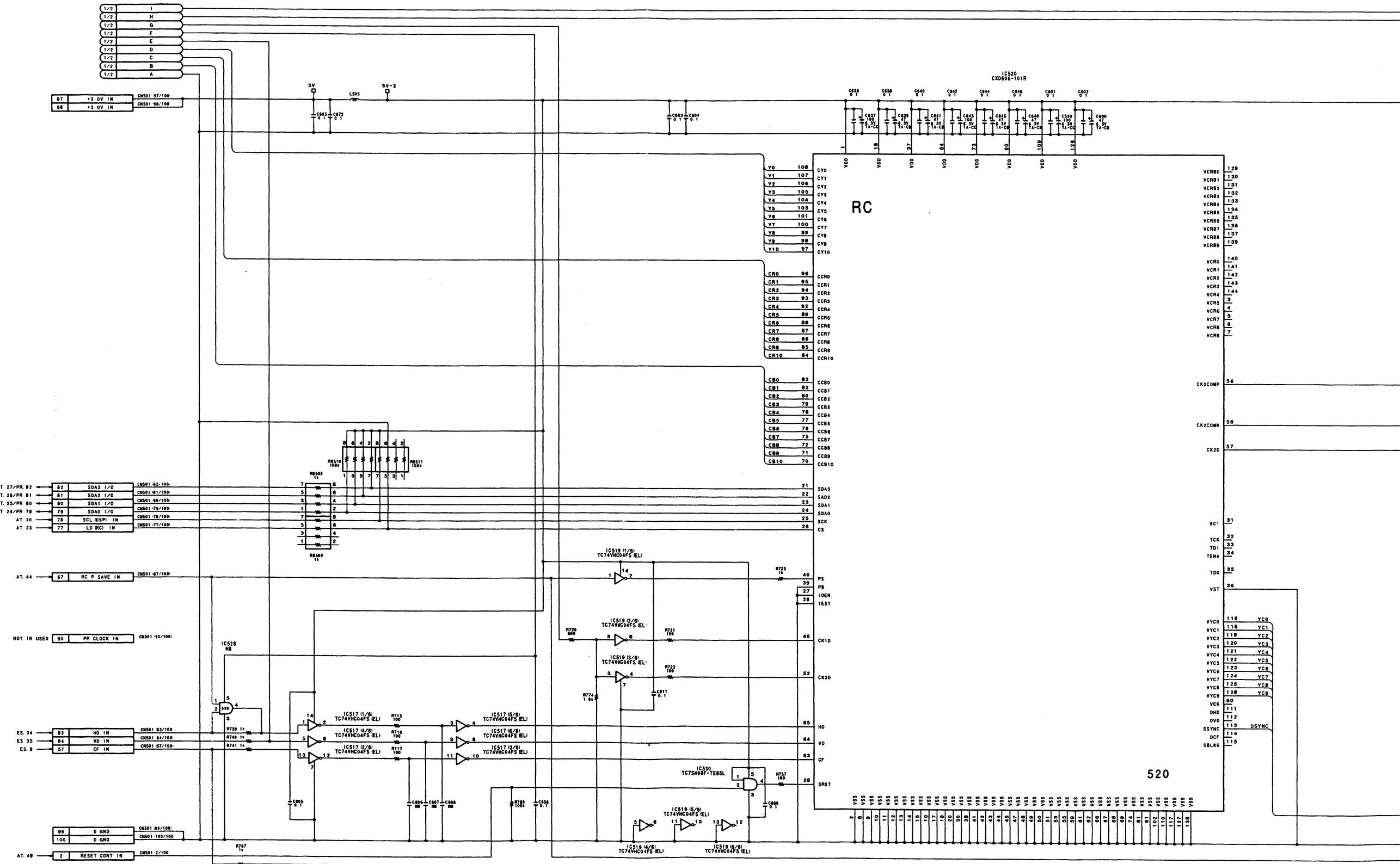
| IF-532 (1-663-016-11) | | | |
|-----------------------|----|--------|----|
| *: B SIDE | | | |
| CN501 | E3 | Q508 | G6 |
| | | Q509 | G6 |
| CP501 | G1 | Q510 | G6 |
| | | Q511 | G6 |
| D501 | E6 | Q512 | G6 |
| *D502 | E6 | Q513 | G6 |
| D503 | E6 | Q514 | G6 |
| *D506 | G1 | Q515 | G6 |
| *D507 | F6 | Q516 | G6 |
| | | Q517 | G2 |
| FB501 | E1 | Q518 | H2 |
| *FB502 | E1 | *Q519 | H2 |
| *FB503 | G1 | Q520 | G5 |
| *FB504 | G1 | Q521 | G5 |
| | | Q522 | G5 |
| FL501 | G2 | Q523 | F5 |
| FL502 | G3 | Q524 | F5 |
| FL503 | G3 | Q525 | F5 |
| | | Q526 | G3 |
| *IC501 | E6 | *Q527 | H3 |
| IC502 | E6 | *Q528 | H3 |
| IC503 | G2 | Q529 | G5 |
| IC504 | H1 | Q530 | G5 |
| IC505 | H2 | Q531 | G5 |
| IC506 | H3 | Q532 | F5 |
| IC507 | G5 | Q533 | G3 |
| IC508 | G5 | *Q534 | H3 |
| IC509 | F5 | *Q535 | G3 |
| IC510 | H4 | *Q536 | G4 |
| IC511 | H4 | *Q537 | G4 |
| IC512 | G4 | Q538 | G4 |
| IC513 | H5 | Q539 | H4 |
| IC514 | E1 | *Q540 | H4 |
| IC515 | E1 | Q541 | H4 |
| IC516 | F2 | *Q542 | G5 |
| IC517 | F1 | Q543 | H5 |
| IC519 | F1 | *Q544 | H5 |
| *IC520 | F3 | *Q545 | H5 |
| *IC521 | F1 | Q546 | H5 |
| *IC522 | G1 | Q547 | G4 |
| *IC523 | G1 | *Q548 | H1 |
| *IC524 | G1 | | |
| *IC527 | F6 | RB501 | E4 |
| *IC529 | G2 | RB502 | E5 |
| *IC530 | F3 | RB503 | E3 |
| IC531 | F4 | RB504 | E3 |
| | | RB505 | E2 |
| JR501 | G2 | RB506 | E2 |
| JR502 | G3 | *RB508 | E5 |
| JR503 | G3 | *RB509 | E4 |
| *JR504 | E1 | *RB510 | E4 |
| *JR506 | G1 | *RB511 | E4 |
| | | *RB512 | G3 |
| L501 | H5 | *RB513 | G3 |
| L502 | H5 | *RB514 | G2 |
| L503 | E1 | | |
| *L504 | E1 | | |
| L505 | F3 | | |
| L506 | G1 | | |
| *L507 | F1 | | |
| L508 | G2 | | |
| *L509 | G1 | | |
| Q501 | E6 | | |
| *Q502 | E6 | | |
| Q503 | F5 | | |
| Q505 | H6 | | |
| Q506 | H6 | | |
| Q507 | H6 | | |

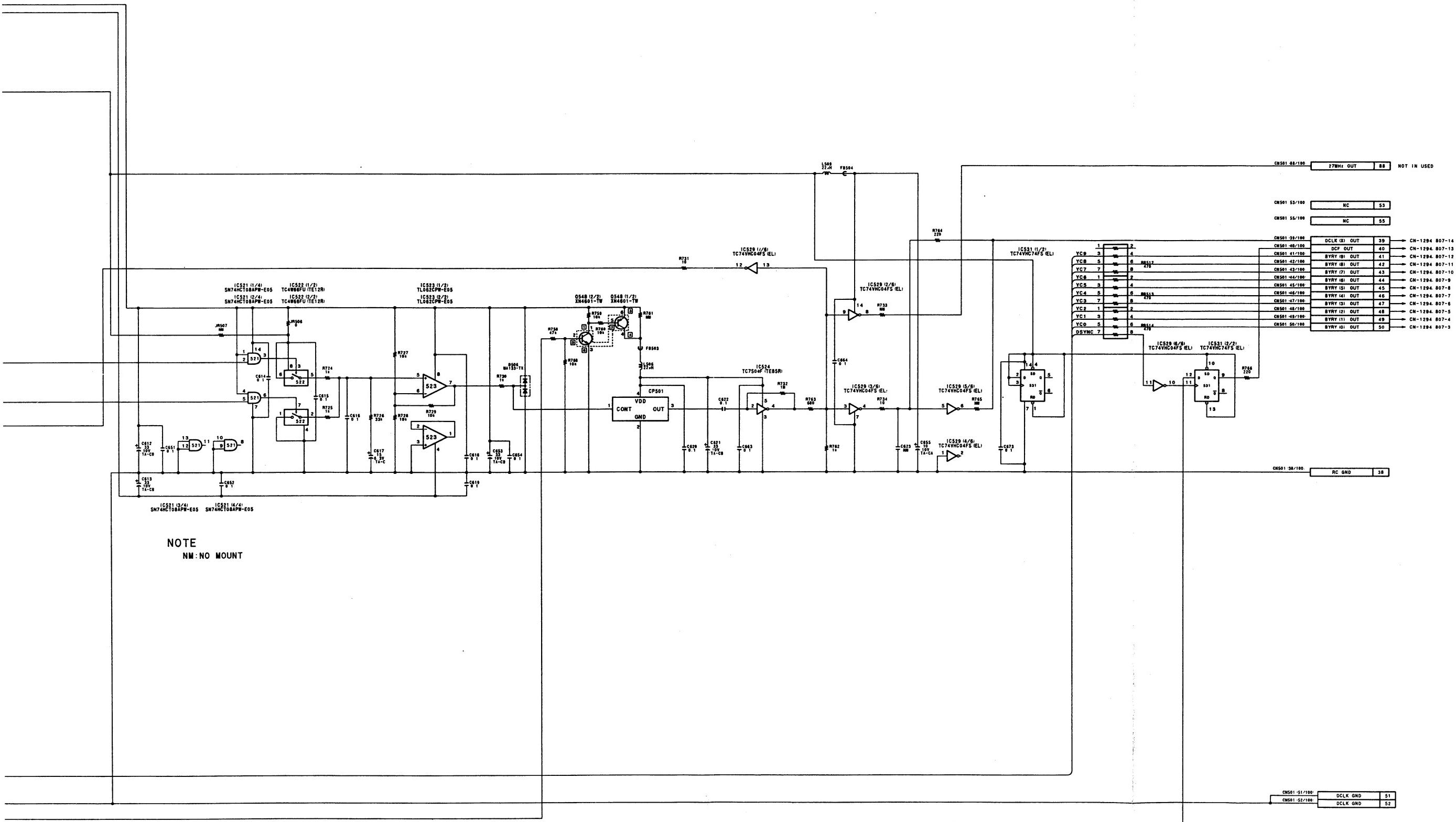




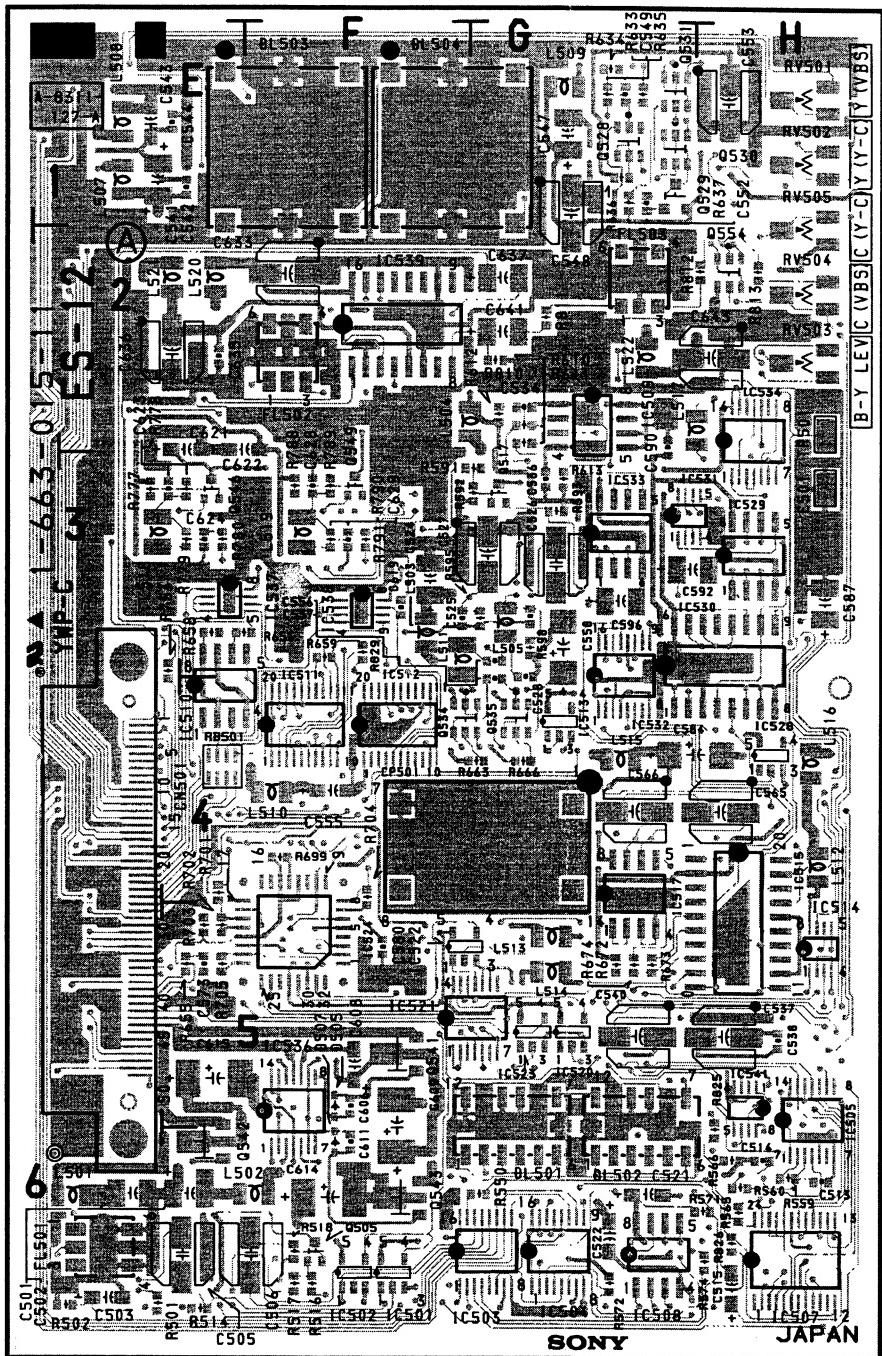
IF-532(1/2)

PART NO. 1-663-016-11
MODEL DXC-D30/D30P
B-DXCD30-IF532/M

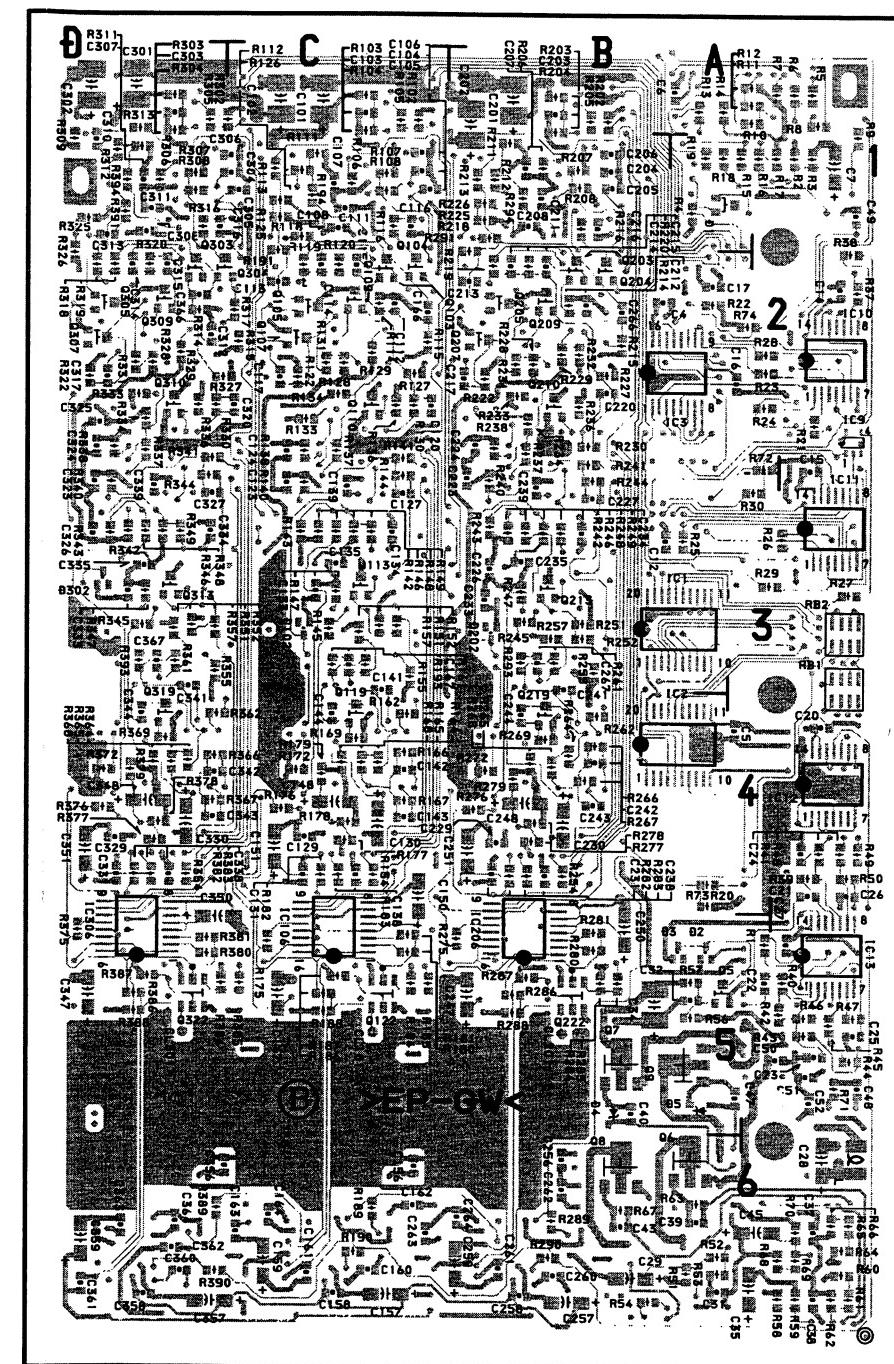




ES-12/12(P) BOARD



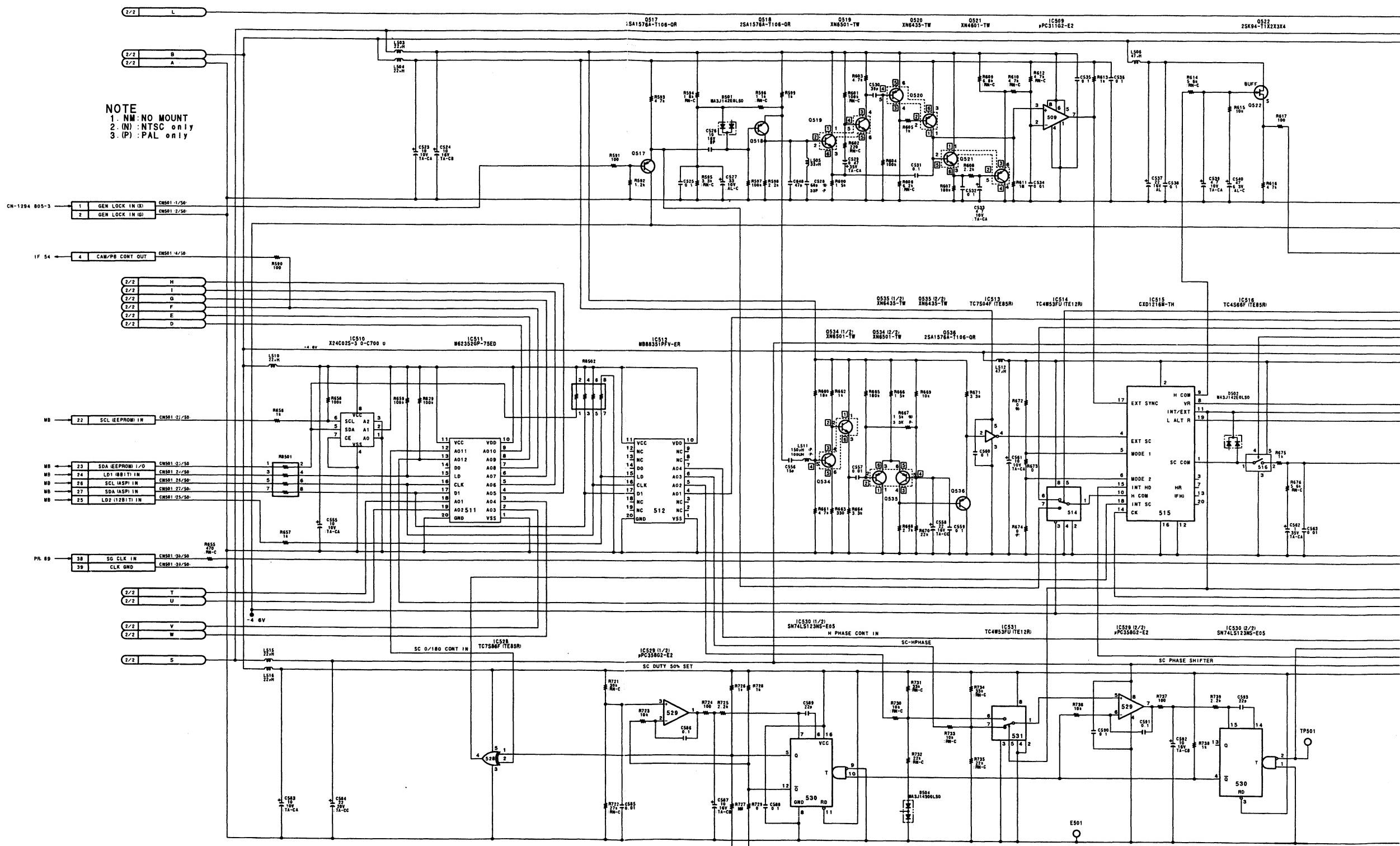
1-663-016-11 A SIDE

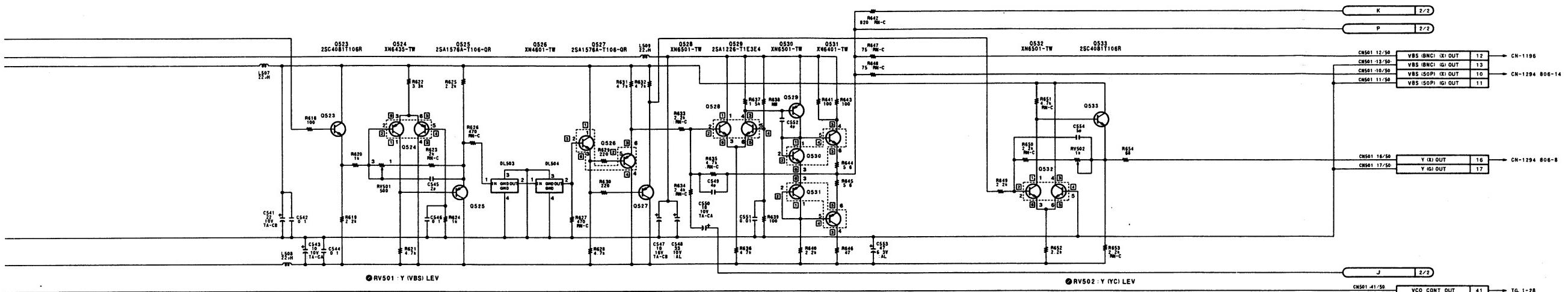


1-663-016-11 B SIDE

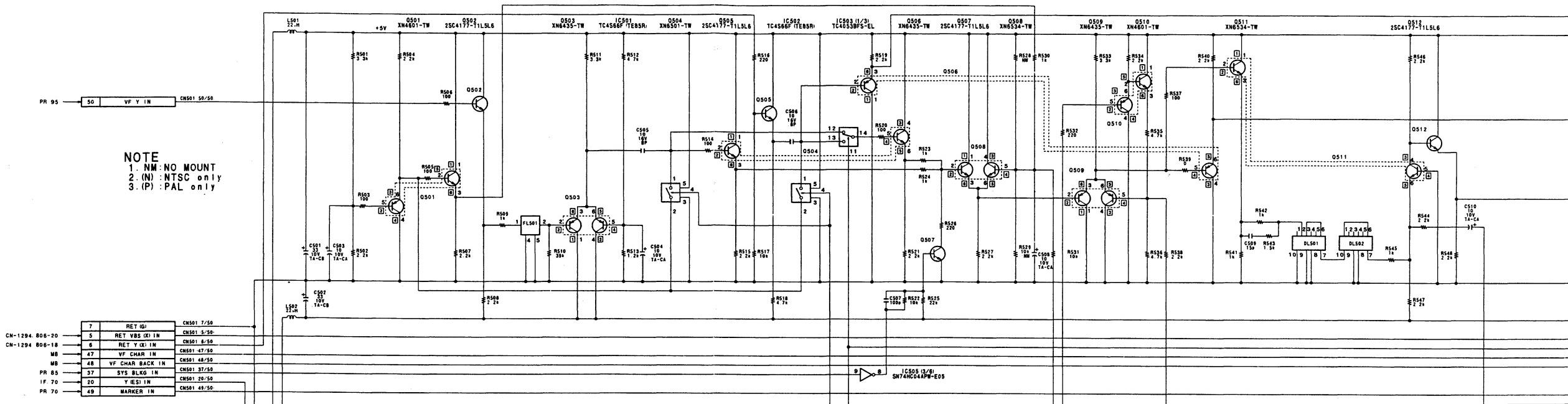
| ES-12 (P) (1-663-015-11) | | | | |
|--------------------------|----|-------|----|-----------|
| *: B SIDE | | | | |
| CN501 | E4 | L505 | G3 | *Q552 F2 |
| | | *L506 | H5 | *Q553 F2 |
| CP501 | G4 | L507 | E1 | Q554 H2 |
| | | L508 | E1 | *Q555 H2 |
| DL501 | G5 | L509 | G1 | |
| DL502 | G5 | L510 | F4 | RB501 E4 |
| DL503 | F1 | L511 | F3 | *RB502 F4 |
| DL504 | F1 | L512 | H4 | |
| | | L513 | G5 | RV501 H1 |
| *D501 | G3 | L514 | G5 | RV502 H1 |
| *D502 | H5 | L515 | G4 | RV503 H2 |
| *D503 | G4 | L516 | H4 | RV504 H2 |
| *D504 | H3 | L517 | H2 | RV505 H2 |
| D505 | F5 | L518 | E3 | |
| *D506 | E6 | L519 | F3 | TP501 H2 |
| D507 | F6 | L520 | E2 | |
| *D508 | H6 | L521 | E2 | |
| | | L522 | G2 | |
| E501 | H3 | | | |
| | | *Q501 | E6 | |
| FL501 | E6 | *Q502 | E6 | |
| FL502 | F2 | *Q503 | E6 | |
| FL503 | G2 | *Q504 | E6 | |
| | | Q505 | F6 | |
| IC501 | F6 | *Q506 | F6 | |
| IC502 | F6 | *Q507 | F6 | |
| IC503 | G6 | *Q508 | F6 | |
| IC504 | G6 | *Q509 | F6 | |
| IC505 | H5 | *Q510 | F6 | |
| IC507 | H6 | *Q511 | G6 | |
| IC508 | G6 | *Q512 | G6 | |
| IC509 | G2 | *Q513 | G6 | |
| IC510 | E4 | *Q514 | G6 | |
| IC511 | F4 | *Q515 | H6 | |
| IC512 | F4 | *Q516 | H6 | |
| IC513 | G4 | Q517 | G3 | |
| IC514 | H5 | *Q518 | G3 | |
| IC515 | H5 | *Q519 | G3 | |
| *IC516 | H4 | *Q520 | G3 | |
| IC517 | G4 | *Q521 | G3 | |
| *IC518 | G4 | *Q522 | G5 | |
| *IC519 | F4 | *Q523 | E1 | |
| IC520 | G5 | *Q524 | E1 | |
| IC521 | G5 | *Q525 | E1 | |
| IC522 | F5 | *Q526 | G1 | |
| IC523 | G5 | *Q527 | G1 | |
| IC524 | F5 | Q528 | G1 | |
| *IC525 | G5 | Q529 | G1 | |
| *IC526 | F4 | Q530 | G1 | |
| *IC527 | E4 | Q531 | G1 | |
| IC528 | H4 | *Q532 | H1 | |
| IC529 | H3 | *Q533 | H1 | |
| IC530 | H3 | Q534 | F4 | |
| IC531 | G3 | Q535 | G4 | |
| IC532 | G3 | *Q536 | G4 | |
| IC533 | G3 | *Q538 | F5 | |
| IC534 | H2 | *Q539 | F5 | |
| *IC535 | E5 | *Q540 | H2 | |
| IC536 | F5 | Q541 | F5 | |
| IC537 | E3 | Q542 | E6 | |
| IC538 | F3 | Q543 | F6 | |
| IC539 | F2 | *Q544 | E3 | |
| *IC540 | G5 | *Q545 | F3 | |
| IC541 | H5 | Q546 | E3 | |
| | | *Q547 | E3 | |
| L501 | E6 | *Q548 | E3 | |
| L502 | F6 | Q549 | F3 | |
| L503 | F3 | *Q550 | F3 | |
| L504 | G2 | *Q551 | F3 | |

1

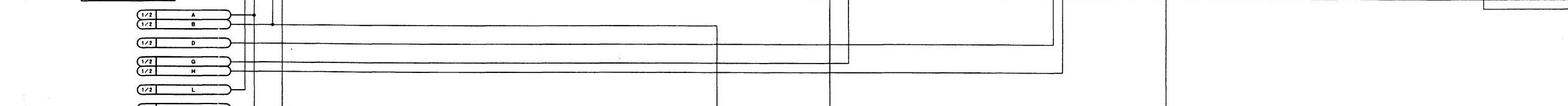




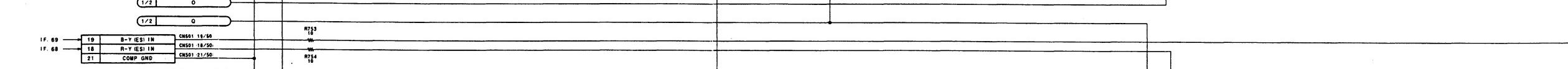
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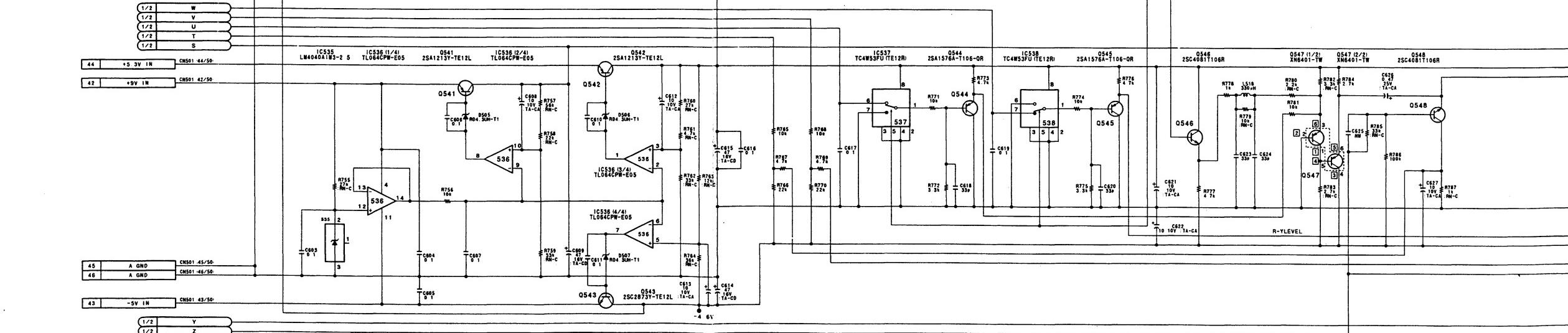
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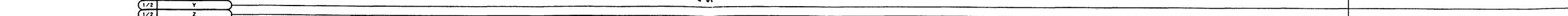
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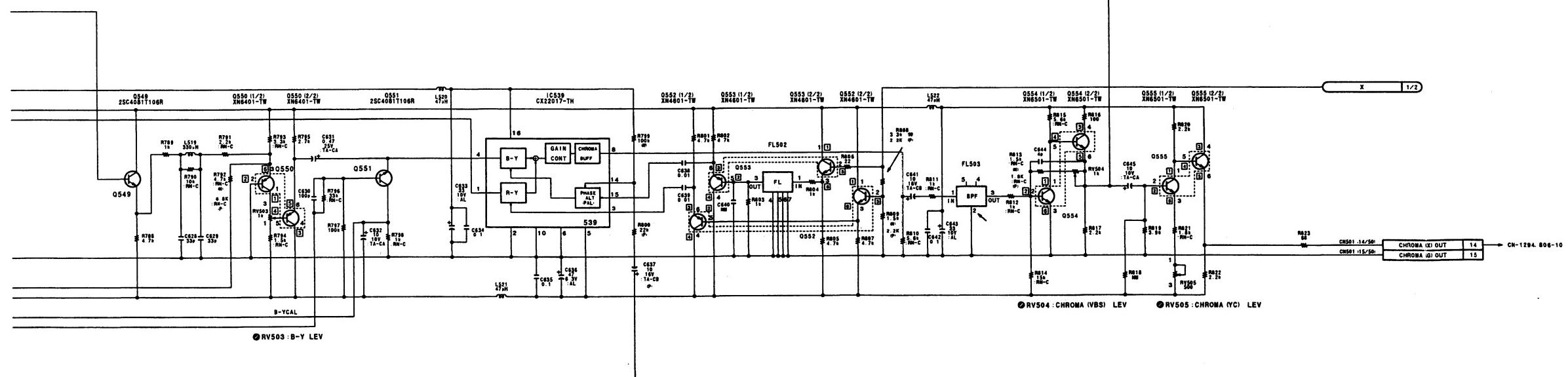
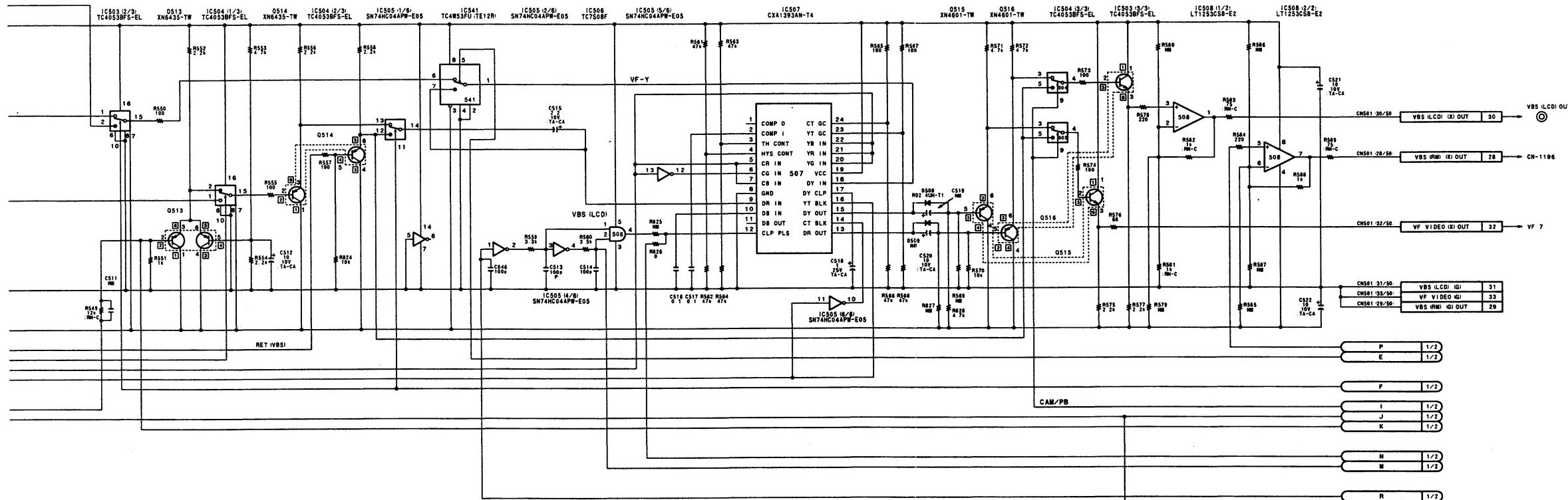


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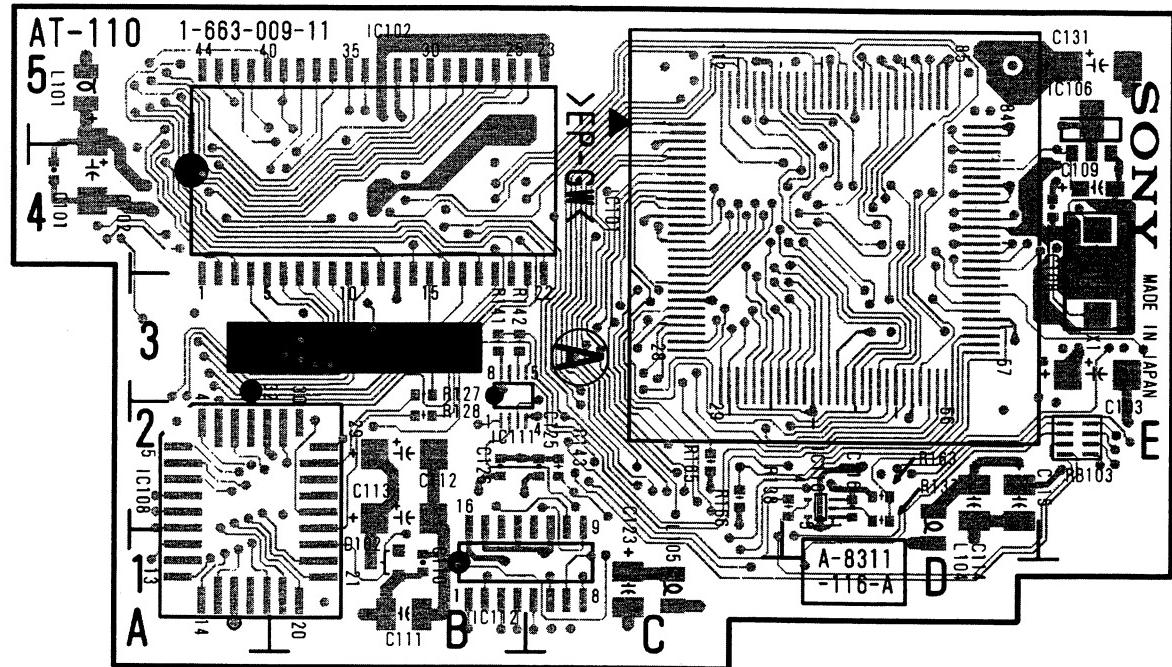


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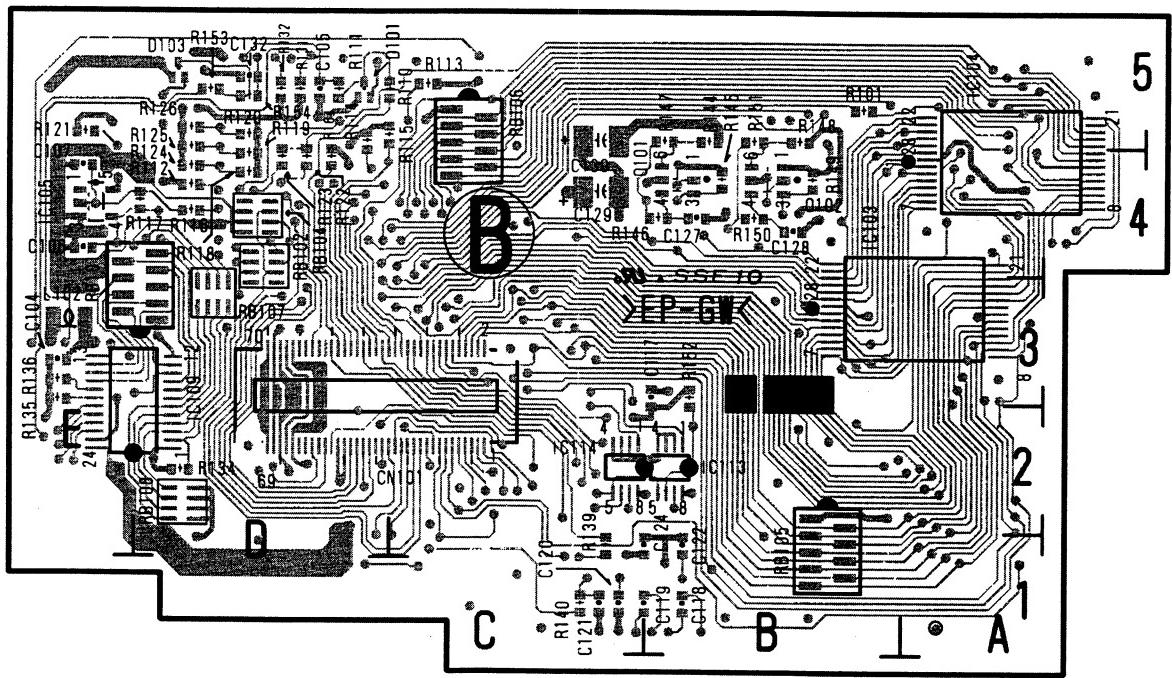




AT-110 BOARD



1-663-009-11 A SIDE

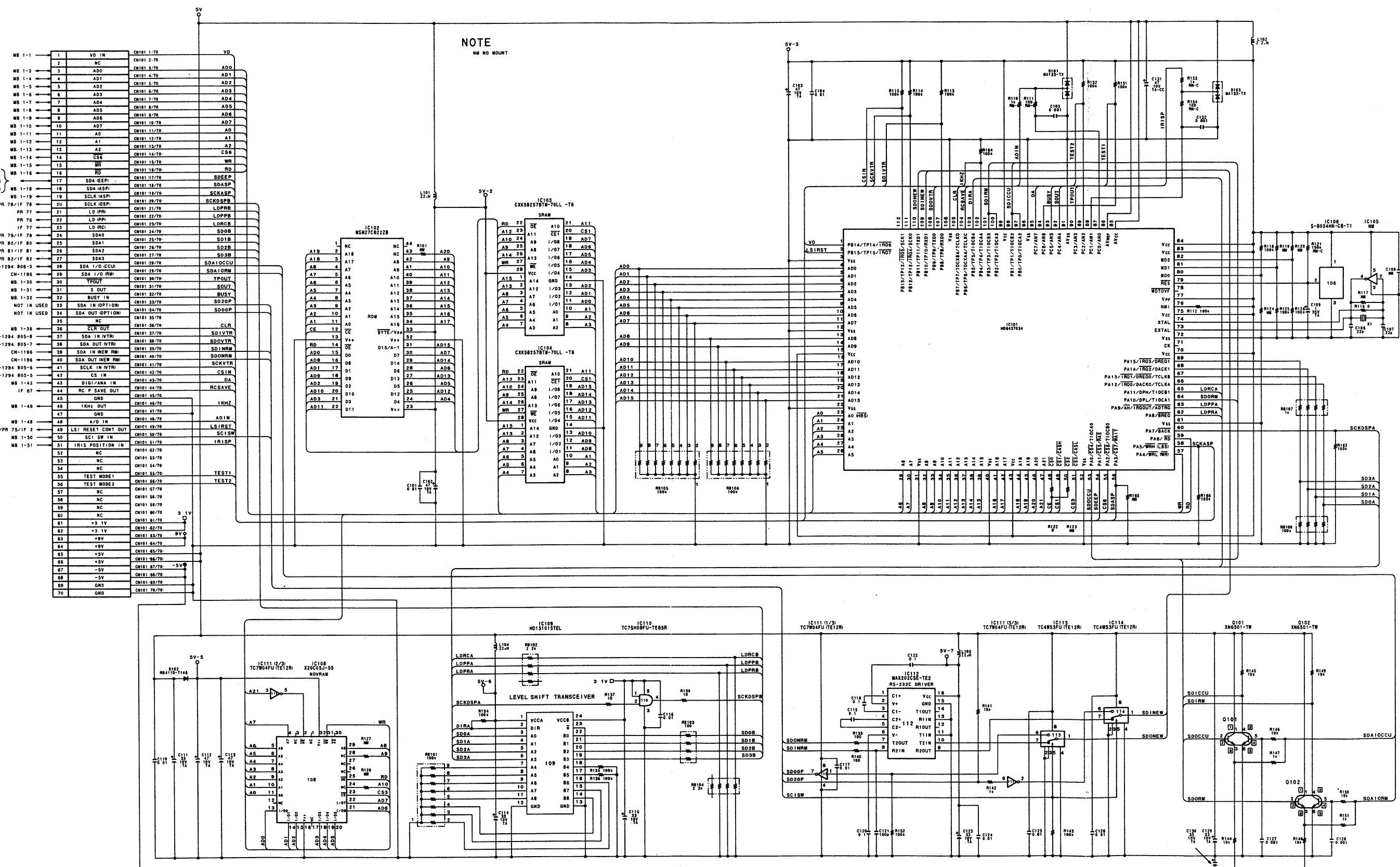


1-663-009-11 B SIDE

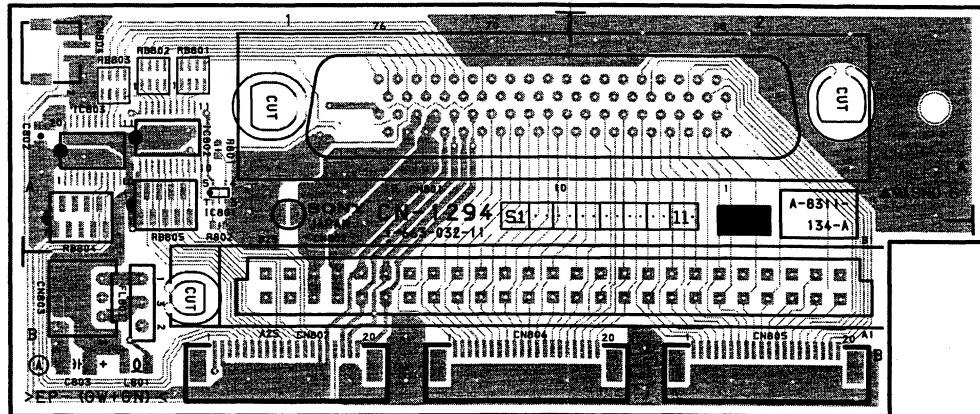
AT-110 (1-663-009-11)

*: B SIDE
 CNI102 B4
 *CN101 D3
 *D101 D5
 D102 B1
 *D103 D5
 IC101 D4
 IC102 B4
 *IC103 A3
 *IC104 A4
 IC106 E5
 IC108 A2
 *IC109 D2
 IC110 D2
 IC111 B3
 IC112 B1
 *IC113 B2
 *IC114 C2
 L101 A5
 *L102 E3
 L104 D2
 L105 C1
 *Q101 B4
 *Q102 B4
 *RB101 D3
 *RB102 D4
 RB103 E2
 *RB104 D4
 *RB105 B1
 *RB106 C5
 *RB107 D3
 *RB108 D2

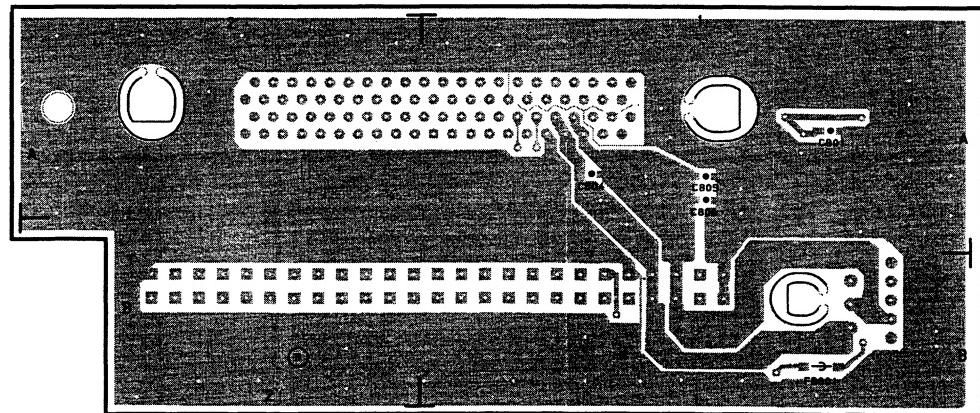
X1 E4



CN-1294 BOARD

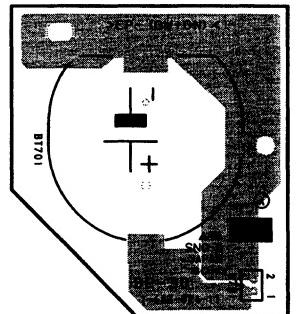


1-663-032-11 A SIDE

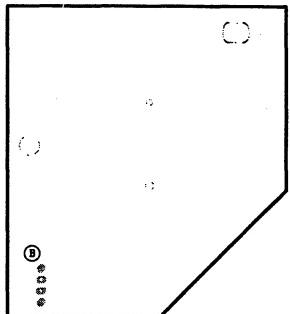


1-663-032-11 B SIDE

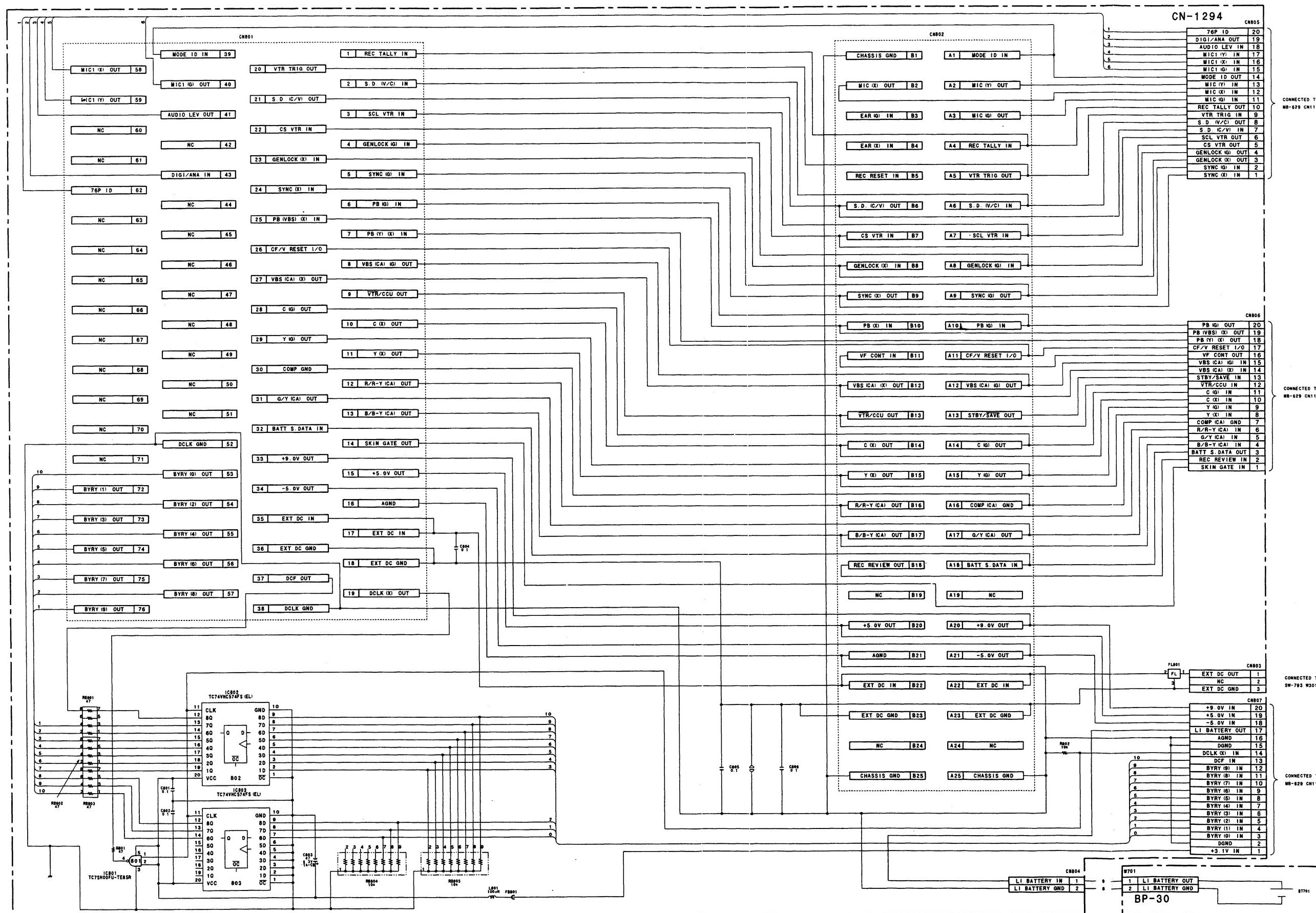
BP-30 BOARD



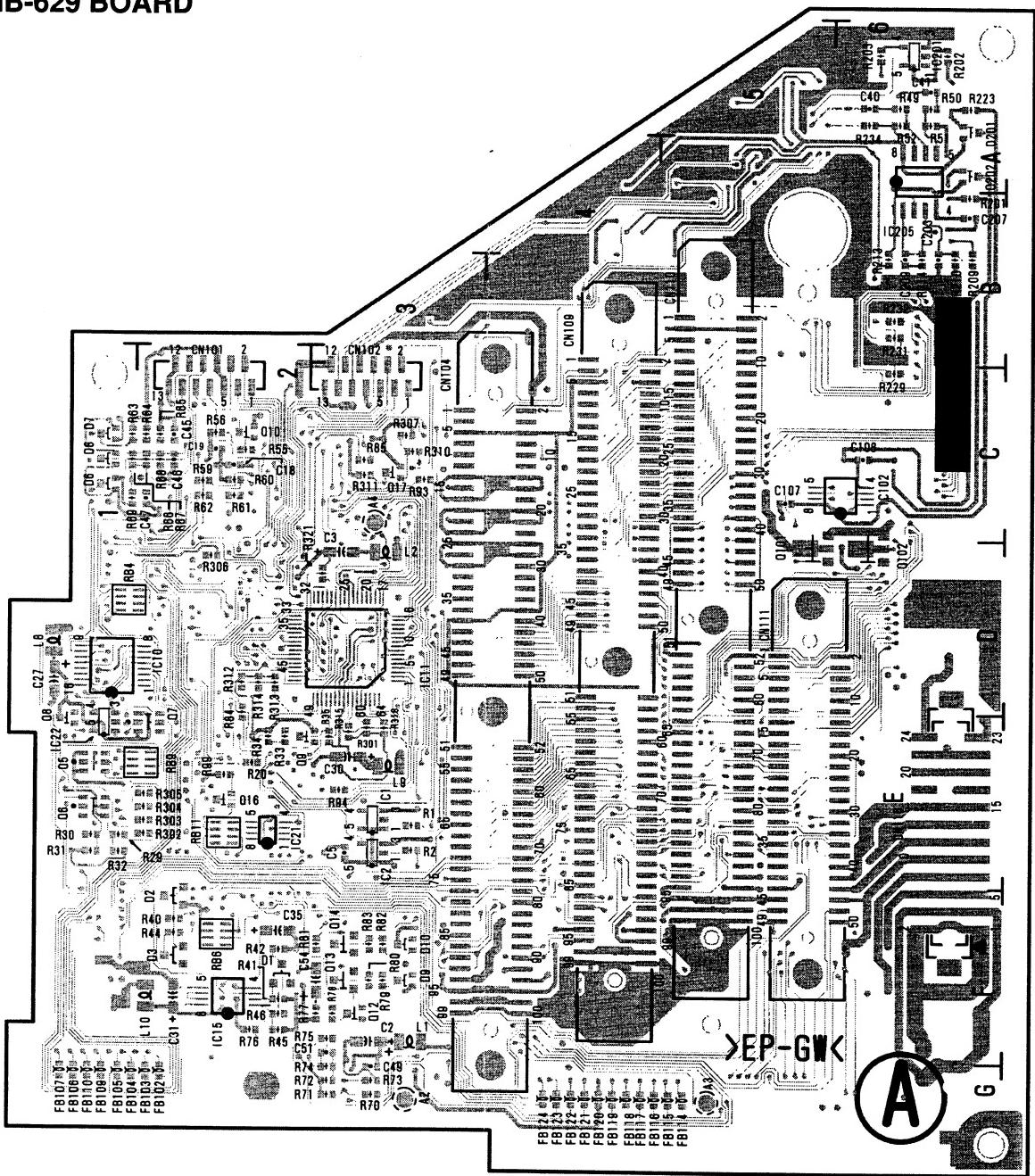
1-663-024-11 A SIDE



1-663-024-11 B SIDE



MB-629 BOARD

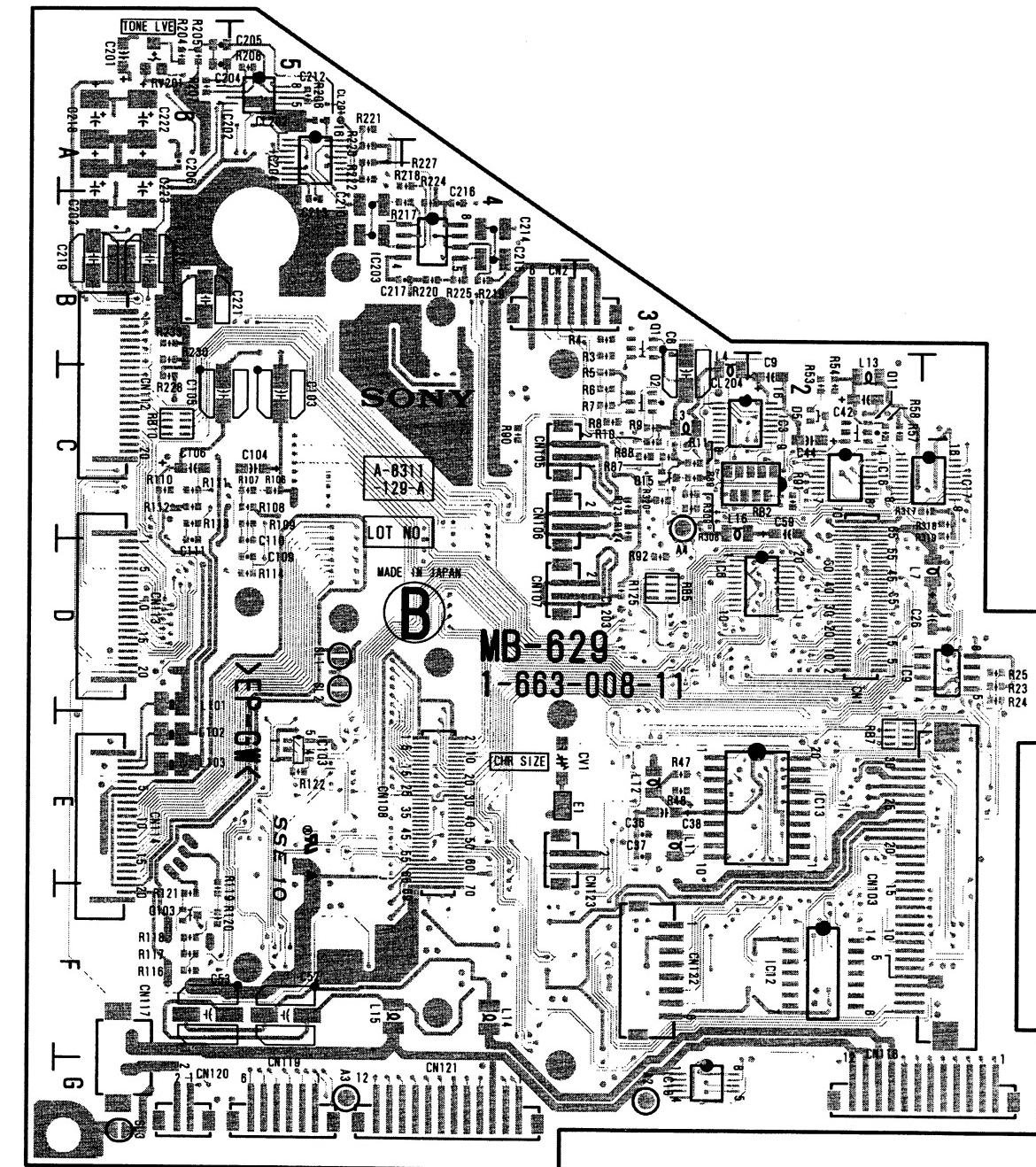


MB-629 (1-663-008-11)

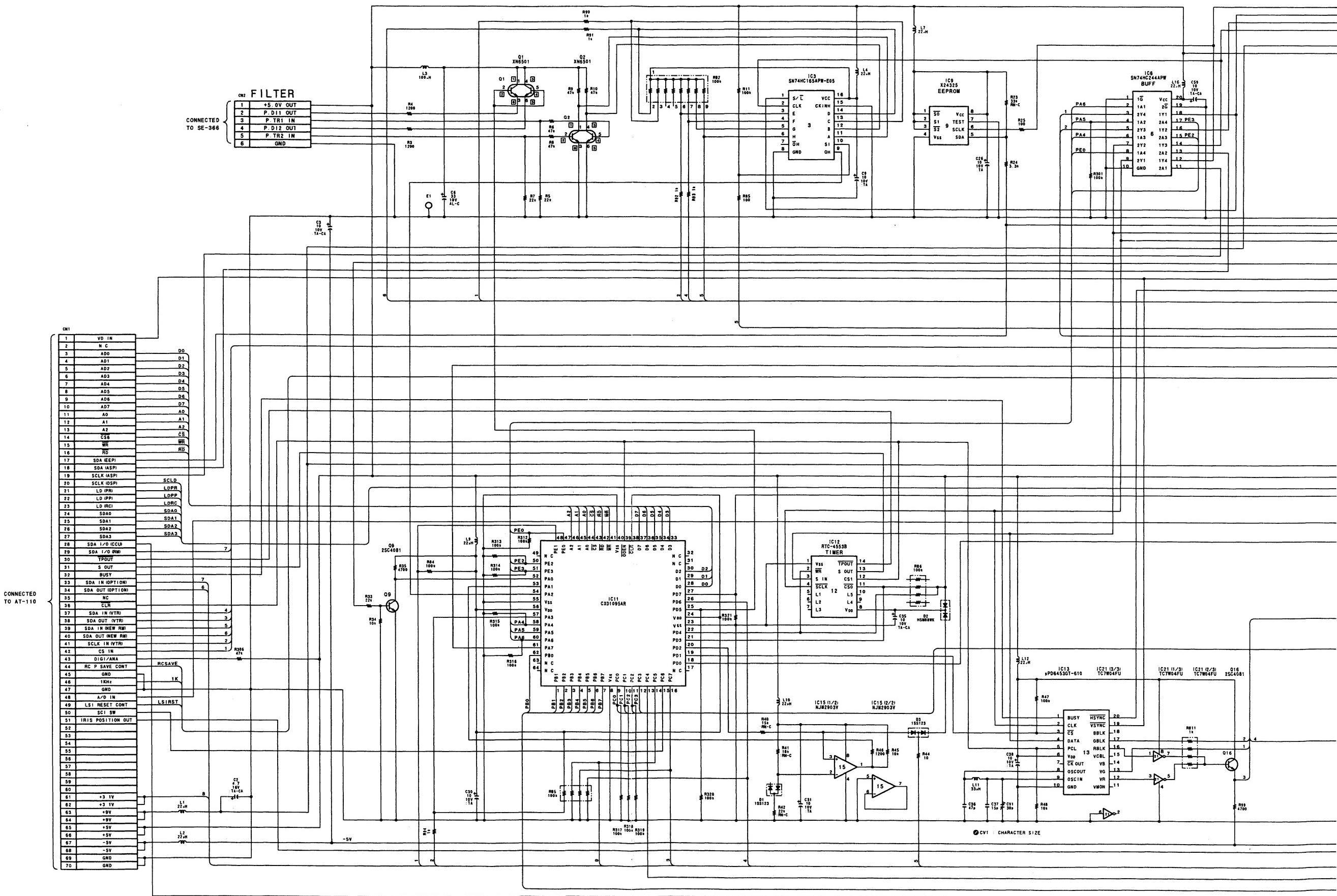
*: B SIDE

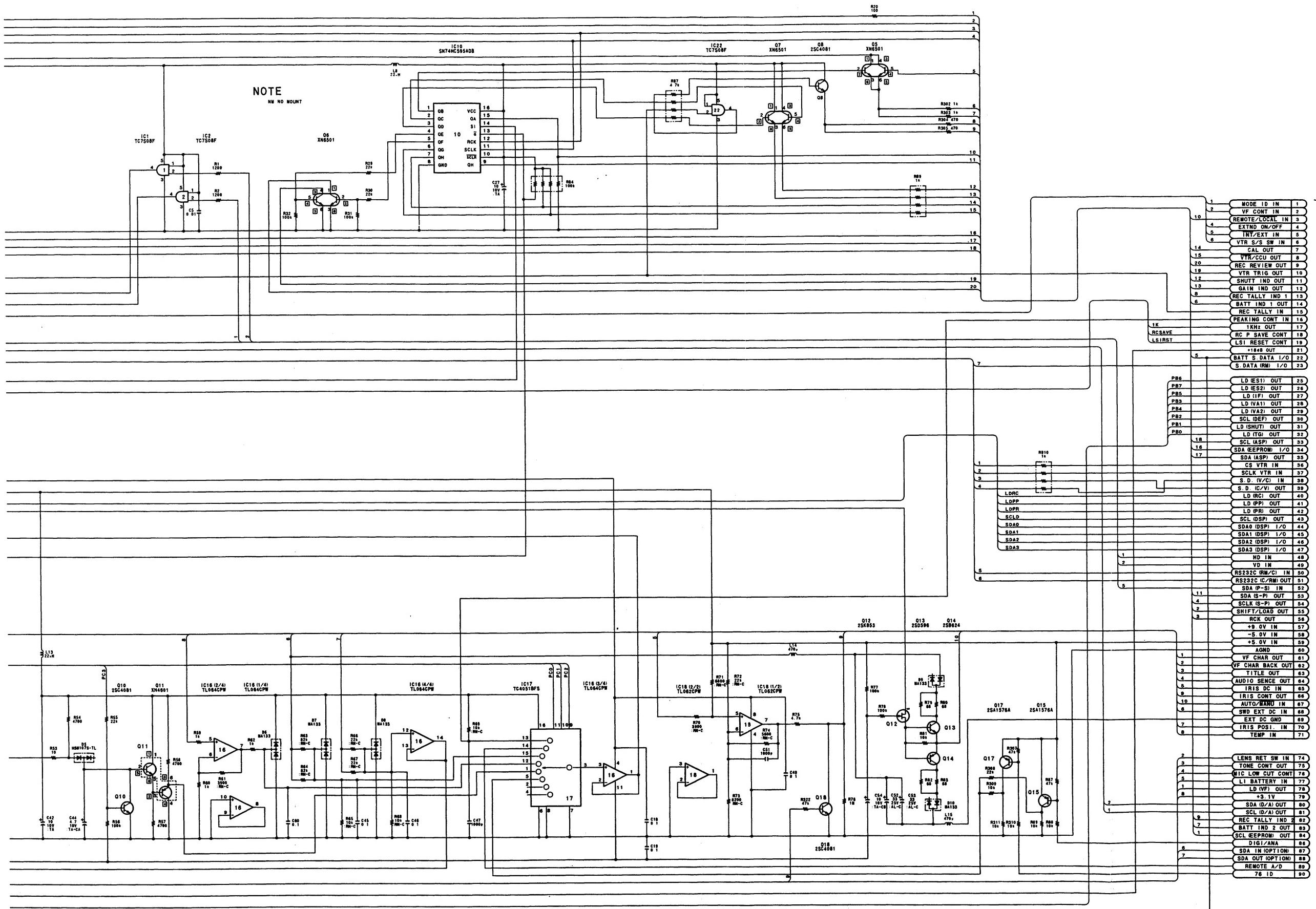
| | | | | | | | | | | | | | |
|--------|----|--------|----|-------|----|--------|----|--------|----|-------|----|--------|----|
| *CN1 | D2 | *CN119 | G5 | FB102 | G2 | IC1 | E3 | *IC204 | A5 | *L103 | E6 | *Q103 | P6 |
| *CN2 | B4 | *CN120 | G6 | FB103 | G2 | IC2 | E3 | IC205 | A6 | *Q103 | E6 | Q201 | A6 |
| CN101 | C2 | *CN121 | G4 | FB104 | G1 | *IC3 | C3 | | | *Q1 | B3 | Q202 | A6 |
| CN102 | C3 | *CN122 | F3 | FB105 | G1 | *IC6 | D2 | L1 | F3 | *Q2 | C3 | | |
| CN103 | E1 | *CN123 | E4 | FB106 | G1 | *IC9 | D1 | L2 | D3 | Q5 | E1 | *RB2 | C2 |
| CN104 | D4 | | | FB107 | G1 | IC10 | D1 | *L3 | C3 | Q6 | E1 | RB4 | D1 |
| *CN105 | C4 | *CV1 | E4 | FB109 | G1 | IC11 | D3 | *L4 | C3 | Q7 | E2 | *RB5 | D3 |
| *CN106 | C4 | | | FB110 | G1 | *IC12 | F2 | *L7 | D1 | Q8 | E1 | RB6 | F2 |
| *CN107 | D4 | D1 | F2 | FB114 | G5 | *IC13 | E2 | L8 | D1 | Q9 | E2 | *RB7 | E2 |
| *CN108 | E4 | D2 | F2 | FB115 | G5 | IC15 | F2 | L9 | E3 | Q10 | C2 | RB9 | E2 |
| CN109 | D4 | D3 | F2 | FB116 | G4 | *IC16 | C2 | L10 | F2 | *Q11 | C2 | *RB10 | C6 |
| CN110 | D5 | *D5 | C2 | FB117 | G4 | *IC17 | C1 | *L11 | E3 | Q12 | F3 | RB11 | E2 |
| CN111 | E5 | D6 | C1 | FB118 | G4 | *IC18 | G3 | *L12 | E3 | Q13 | F3 | | |
| *CN112 | C6 | D7 | C1 | FB119 | G4 | IC21 | E2 | *L13 | C2 | Q14 | F3 | *RV201 | A6 |
| *CN113 | D6 | D8 | C1 | FB120 | G4 | IC22 | D1 | *L14 | F4 | *Q15 | C3 | | |
| *CN114 | E6 | D9 | F3 | FB121 | G4 | IC102 | C6 | *L15 | F5 | Q16 | E2 | | |
| CN116 | E6 | D10 | F3 | FB122 | G4 | IC201 | A6 | *L16 | C3 | Q17 | C3 | | |
| *CN117 | F6 | | | FB123 | G4 | *IC202 | A5 | *L101 | D6 | Q101 | D5 | | |
| *CN118 | G1 | *E1 | E4 | FB124 | G4 | *IC203 | B4 | *L102 | E6 | Q102 | D6 | | |

1-663-008-11 A SIDE



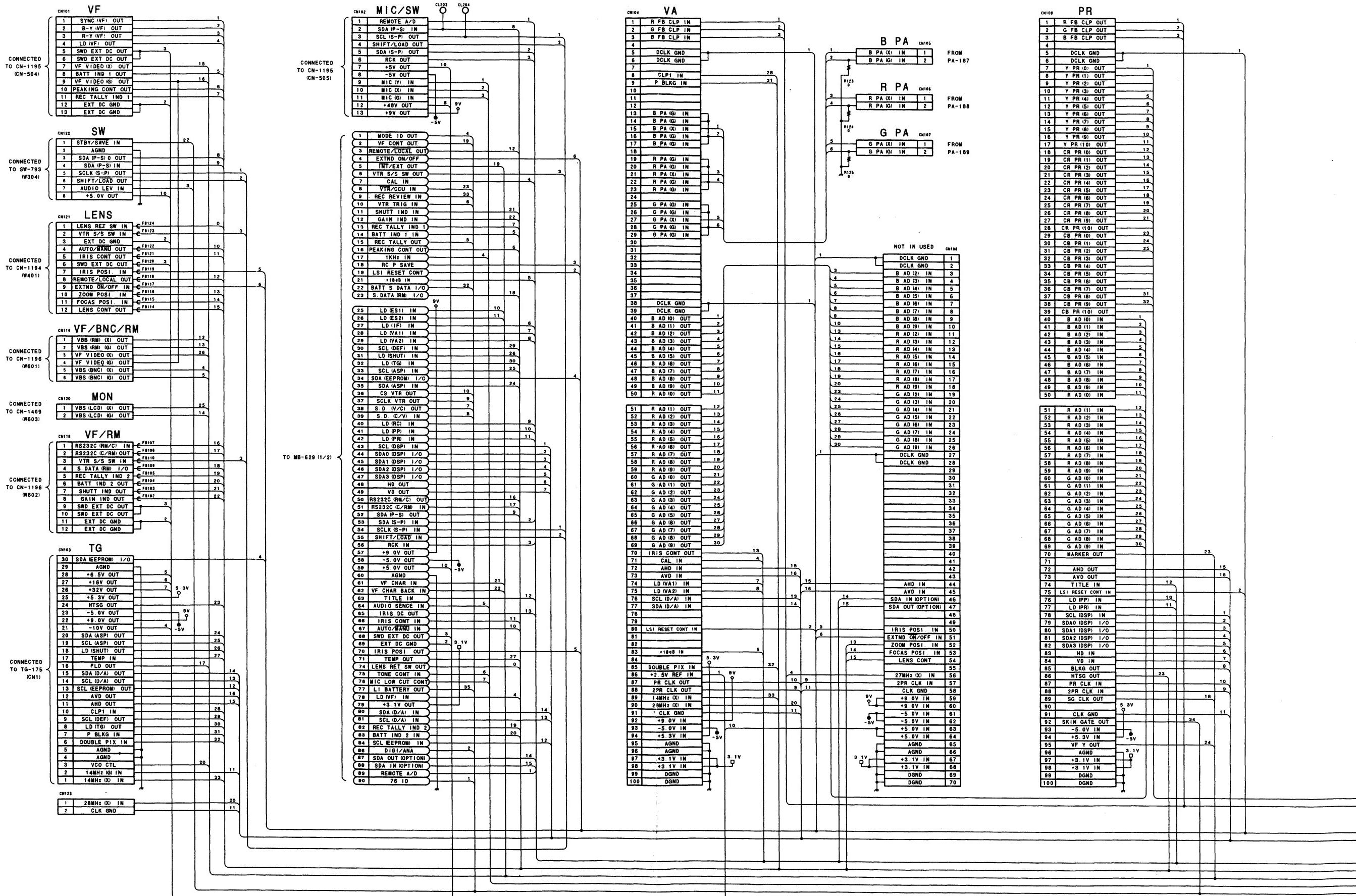
1-663-008-11 B SIDE





MB-629(1/2)

PART NO. 1-663-008-11
MODEL DXC-D30/D30P
B-DXCD30-MB629/M



A

B

C

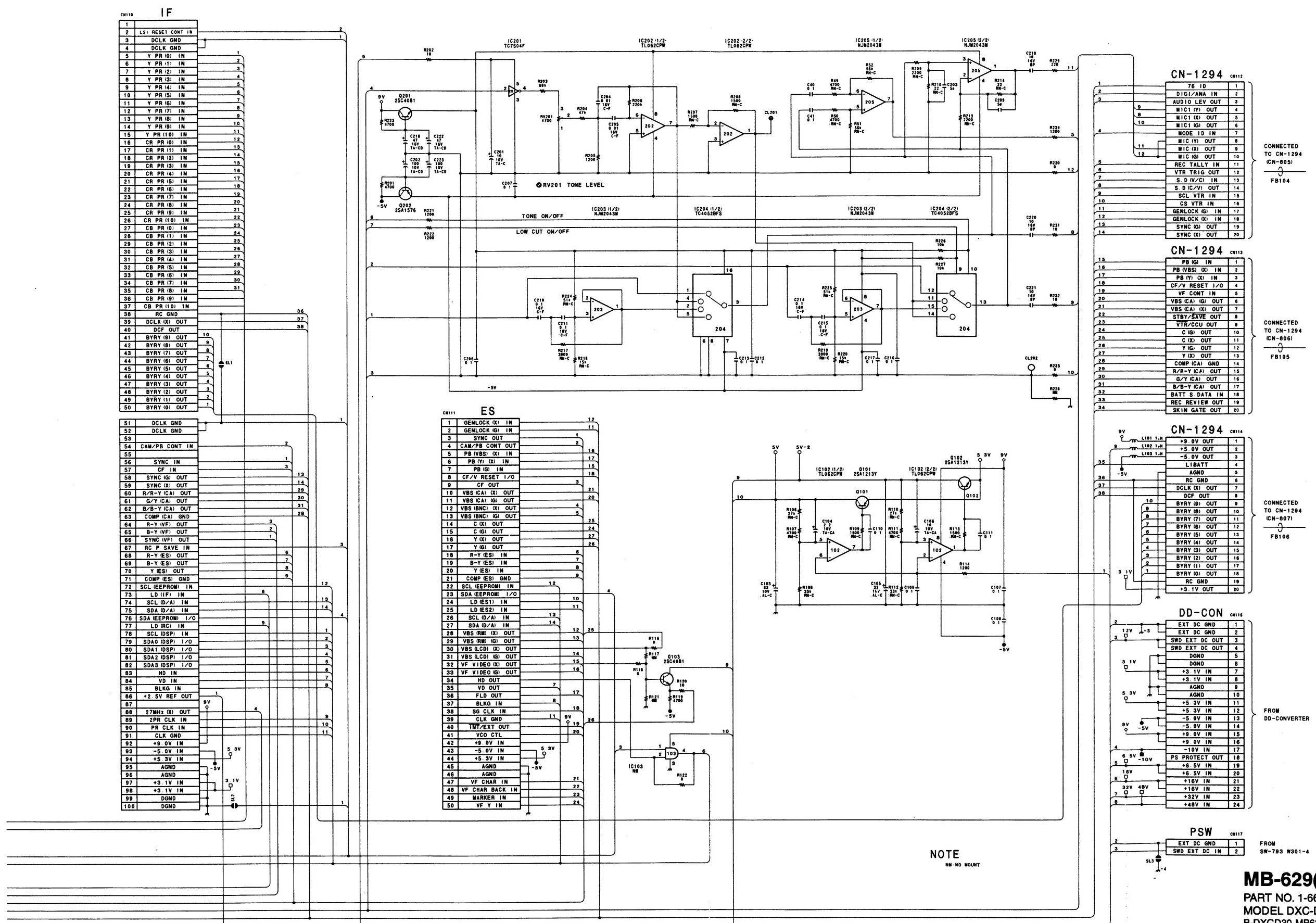
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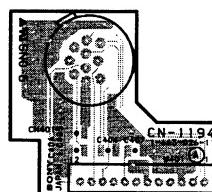
E

F

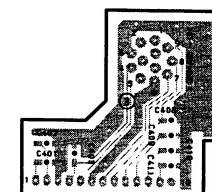
G

H

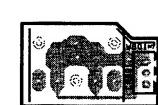


CN-1194 BOARD

1-663-026-11 A SIDE



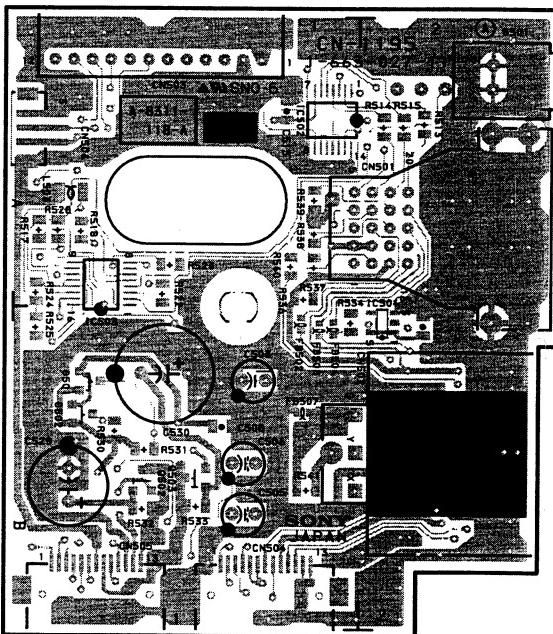
1-663-026-11 B SIDE

CN-1349 BOARD

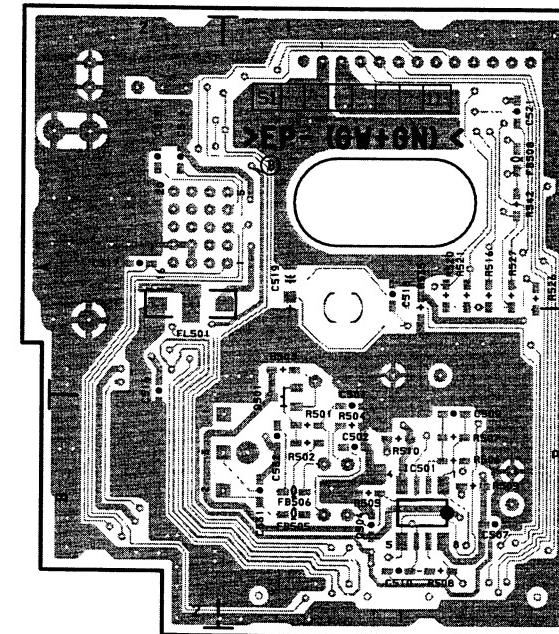
1-663-028-11 A SIDE



1-663-028-11 B SIDE

CN-1195 BOARD

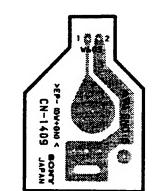
1-663-027-11 A SIDE



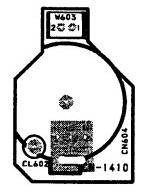
1-663-027-11 B SIDE

CN-1409(J) BOARD

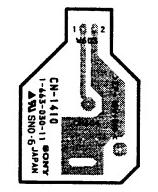
1-663-029-11 A SIDE



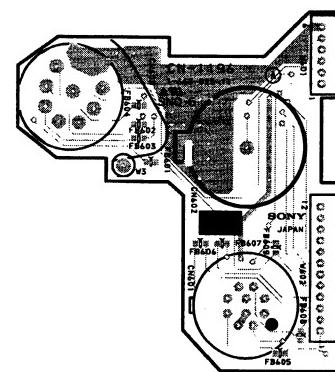
1-663-029-11 B SIDE

CN-1410 BOARD

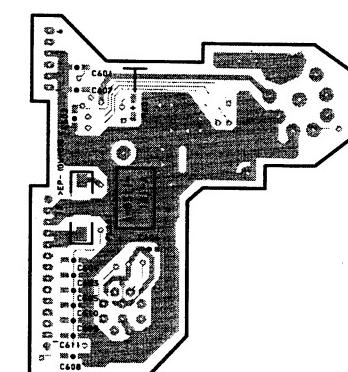
1-663-030-11 A SIDE



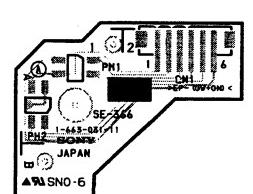
1-663-030-11 B SIDE

CN-1196 BOARD

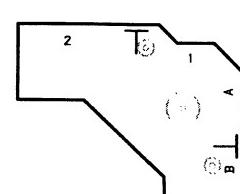
1-663-025-11 A SIDE



1-663-025-11 B SIDE

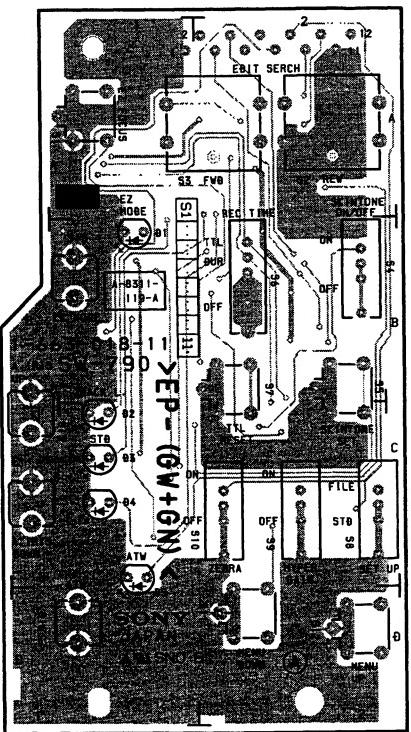
SE-366 BOARD

1-663-031-11 A SIDE

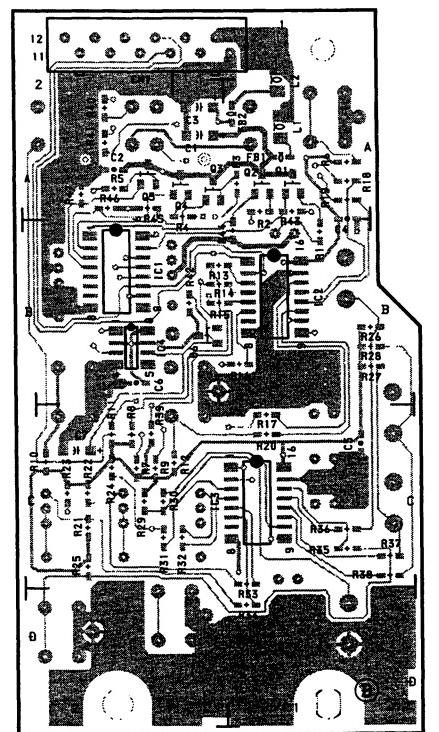


1-663-031-11 B SIDE

SW-790 BOARD

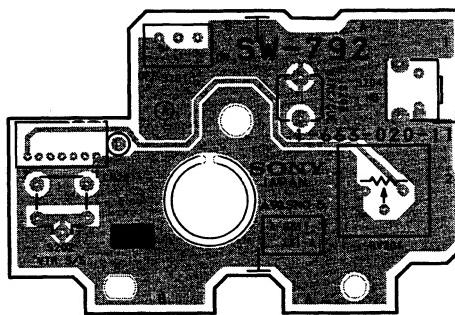


1-663-018-11 A SIDE

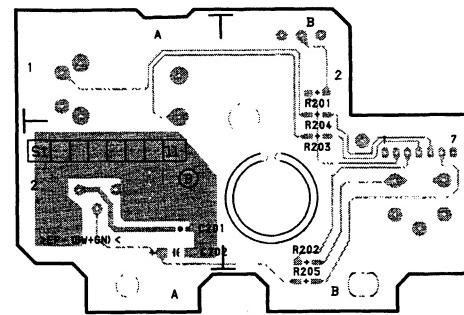


1-663-018-11 B SIDE

SW-792 BOARD

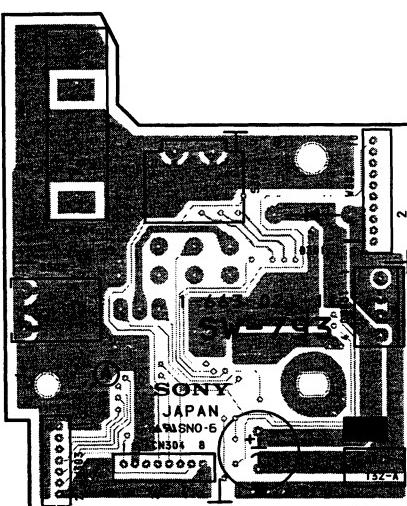


1-663-020-11 A SIDE

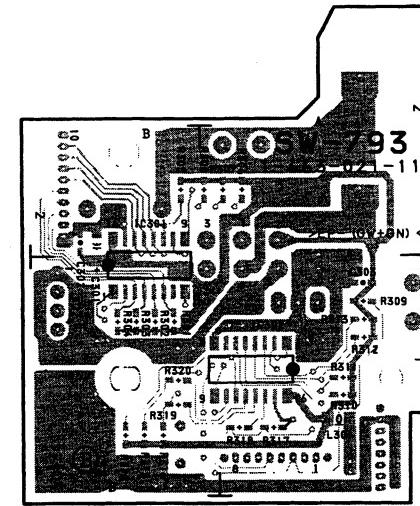


1-663-020-11 B SIDE

SW-793 BOARD

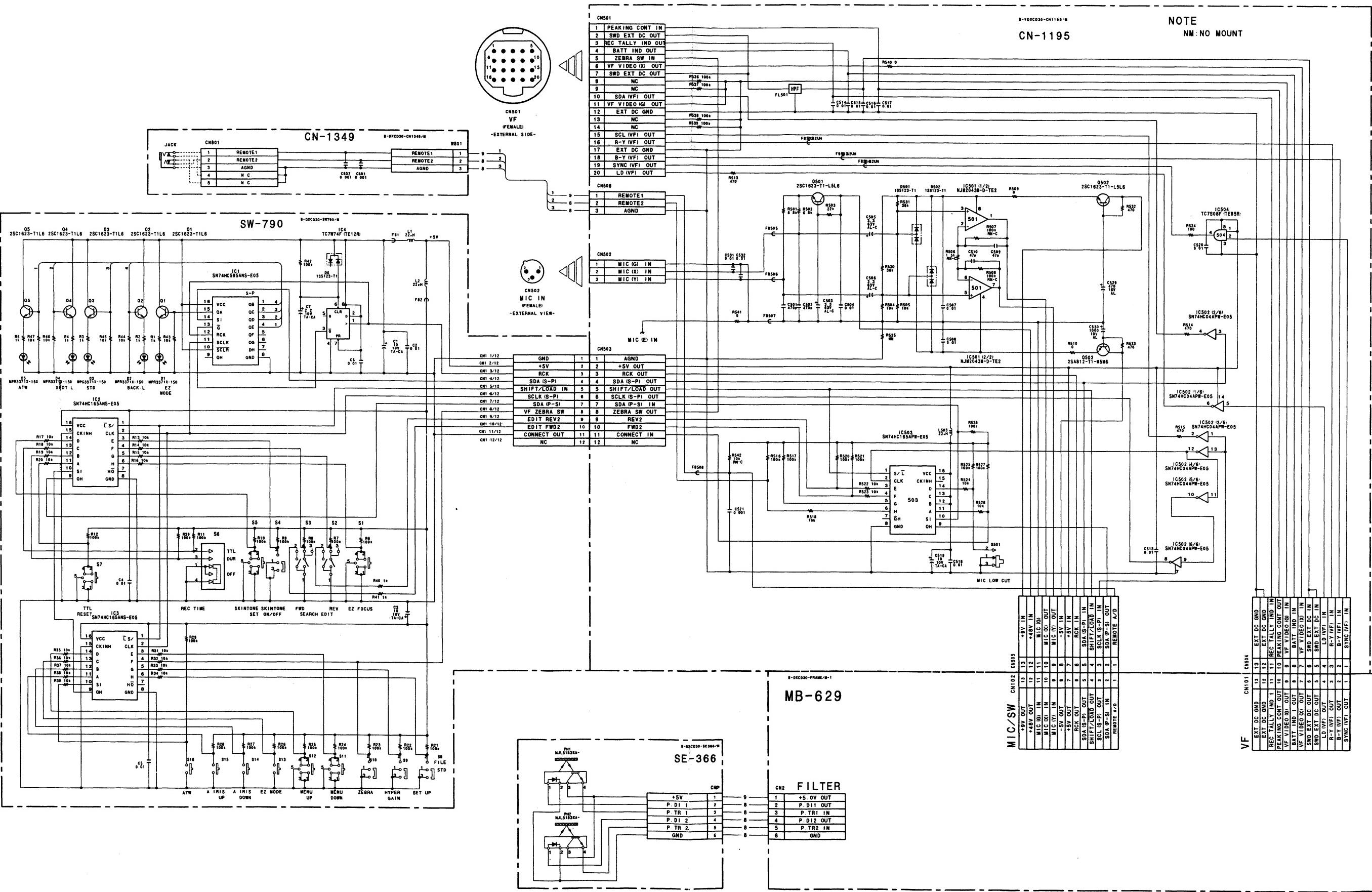


1-663-021-11 A SIDE

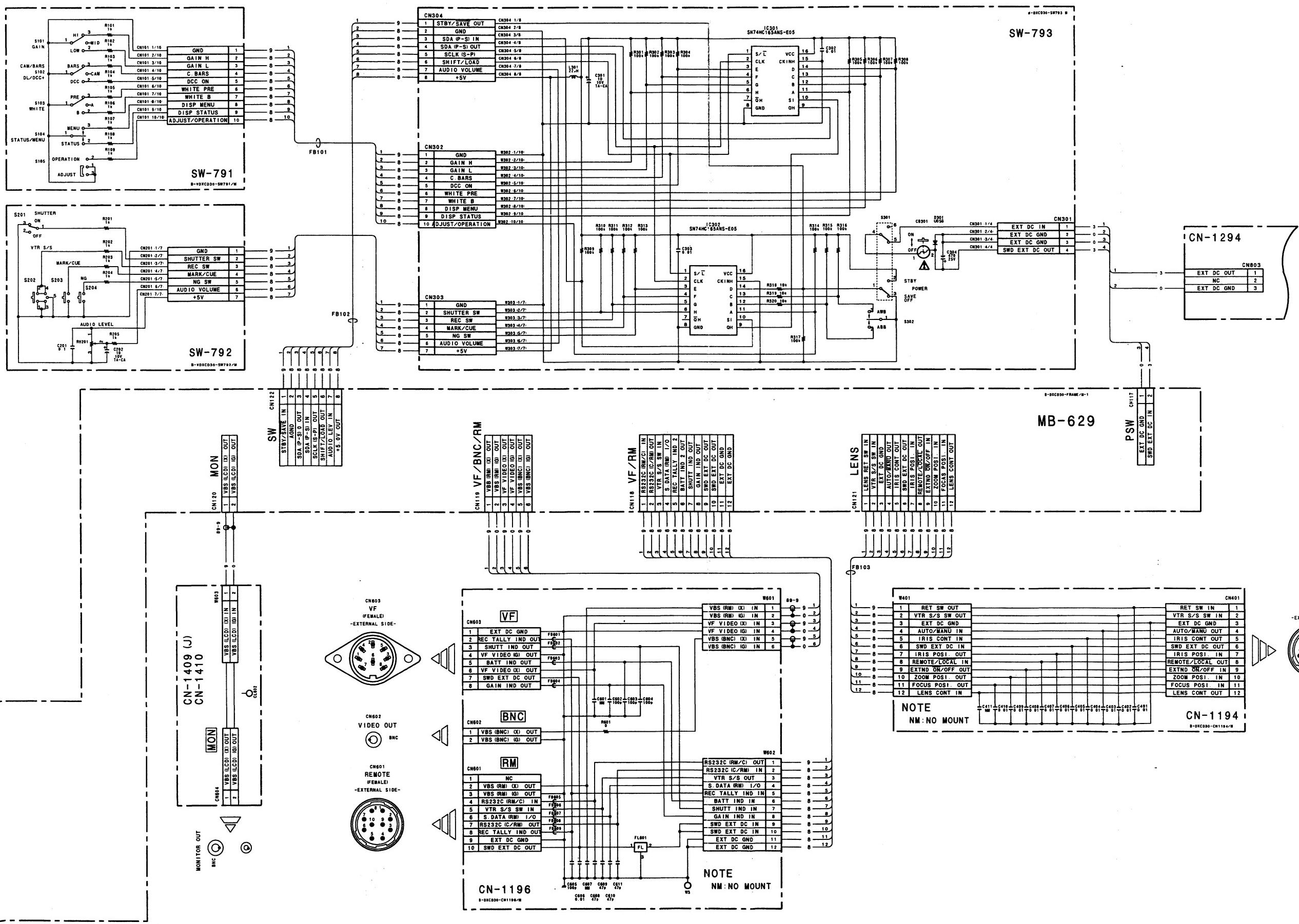


1-663-021-11 B SIDE

FRAME FRAME



FRAME **FRAME**



FRAME

CN-1194

PART NO. 1-663-026-11

CN-1195

PART NO. 1-663-027-11

CN-1196

PART NO. 1-663-025-11

CN-1349

PART NO. 1-663-028-11

CN-1409(J)

PART NO. 1-663-029-11

CN-1410

PART NO. 1-663-030-11

SE-366

PART NO. 1-663-031-11

SW-790

PART NO. 1-663-018-11

SW-791

PART NO. 1-663-019-11

SW-792

PART NO. 1-663-020-11

SW-793

PART NO. 1-663-021-11

MODEL DXC-D30/D30P
A-DXCD30-FRAME/M-1

B-DXCD30-CN1194/M-1

B-DXCD30-CN1195/M-1

B-DXCD30-CN1196/M-1

B-DXCD30-CN1349/M-1

B-DXCD30-SW366/M-1

B-DXCD30-SW790/M-1

B-DXCD30-SW791/M-1

B-DXCD30-SW792/M-1

B-DXCD30-SW793/M-1

B-DXCD30-FRAME/M-1

SECTION 6

SEMICONDUCTOR PIN ASSIGNMENTS

ここに記載されている半導体は、それぞれの機能を等価的に表したものです。なお、互換性のない型名を併記していることがありますので、部品を交換するときは、Spare Partsの章を参照してください。

等価回路は I C メーカーのデータブックに従いました。

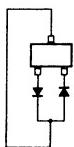
Semiconductors of which functions are equivalent are described here. For parts replacement, refer to the section of Spare Parts in this manual. The circuit diagram of each IC is obtained from the IC data book published by the manufacturer.

| DIODE | Page | TRANSISTOR | Page | IC | Page | IC | Page |
|---------------------|------|-------------------------|------|-------------------------|------|------------------------|------|
| 1SS126 | 6-2 | 2SA1162-G | 6-2 | 74AC04SJX | 6-3 | SN74LS123NS-E05 | 6-14 |
| 1SS123-T1 | 6-2 | 2SA1213Y-TE12L | 6-2 | AT27C256R-15RC | 6-3 | TC4051BFS(EL) | 6-15 |
| | | 2SA1226-T1E3E4 | 6-2 | | | TC4052BFS(ELQ) | 6-15 |
| HSM88AS-TL | 6-2 | 2SA1576A-T106-QR | 6-2 | BA10358F-E2 | 6-4 | TC4053BFS-EL | 6-15 |
| HSM88WA-TL | 6-2 | 2SA1610-T1Y34 | 6-2 | | | TC4S66F(TE85R) | 6-15 |
| HSM88WK-TL | 6-2 | 2SA812-T1-M5M6 | 6-2 | CX22017-TH | 6-4 | TC4S69F(TE85R) | 6-13 |
| | | 2SB624-BV345 | 6-2 | CXA1393AN | 6-4 | TC4W53FU(TE12R) | 6-15 |
| MA132WA-TX | 6-2 | 2SB798-DL | 6-2 | CXD1095AR | 6-4 | TC4W66FU(TE12R) | 6-16 |
| MA132WK-TX | 6-2 | 2SC1009A-T1FA4 | 6-2 | CXD1171M-TH | 6-5 | TC74HC4053AFS-EL | 6-15 |
| MA133-TX | 6-2 | 2SC1623-T1-L5L6 | 6-2 | CXD1216M-TH | 6-5 | TC74HC4538AFS-EL | 6-16 |
| MA3J142D0LSO | 6-2 | 2SC2873Y-TE12L | 6-2 | CXD1217Q-T4 | 6-7 | TC74VHC00FS(EL) | 6-13 |
| MA3J142E0LSO | 6-2 | 2SC4081T106R | 6-2 | CXD2307R-T4 | 6-6 | TC74VHC04FS(EL) | 6-3 |
| MA3J14300LSO | 6-2 | 2SC4176-T1B34 | 6-2 | CXD2310AR-T4 | 6-6 | TC74VHC165FS(EL) | 6-13 |
| MPG3371X-150 | 6-2 | 2SC4177-T1L5L6 | 6-2 | CXD8095Q | 6-9 | TC74VHC541FS(EL) | 6-16 |
| MPR3371X-150 | 6-2 | 2SC4178-T1F13 | 6-2 | CXK1203AR-T4 | 6-8 | TC74VHC574FS(EL) | 6-14 |
| | | 2SD1623-S | 6-2 | | | TC74VHC74FS(EL) | 6-16 |
| RB411D-T146 | 6-2 | 2SD596T1-DV345 | 6-2 | HD151015TEL | 6-10 | TC7S02FU(TE85R) | 6-16 |
| RD4.3UH-T1 | 6-2 | 2SK853-T1K5 | 6-2 | | | TC7S04F(TE85R) | 6-13 |
| | | 2SK94-T1X2X3X4 | 6-2 | LM35DMX | 6-10 | TC7S04FU(TE85R) | 6-13 |
| SB10-05PCP-TD | 6-2 | 3SK163-1-T7 | 6-2 | LM4040AIM3-2.5 | 6-10 | TC7S08F(TE85R) | 6-16 |
| | | NJL5183KA-F20-TE1 | 6-2 | LT1253CS8-E2 | 6-10 | TC7S08FU(TE85R) | 6-16 |
| U05G | 6-2 | XN4312-TW | 6-2 | M5237ML-TP1 | 6-10 | TC7S86F(TE85R) | 6-16 |
| | | XN4601-TW | 6-2 | M62352GP-75ED | 6-11 | TC7SH00FU-TE85R | 6-17 |
| | | XN6401-TW | 6-3 | MAX202CSE-TE2 | 6-10 | TC7SH08FU-TE85R | 6-16 |
| | | XN6435-TW | 6-3 | MB88351PFV-ER | 6-11 | TC7W04FU(TE12R) | 6-17 |
| | | XN6501-TW | 6-3 | MP7523JS-T2 | 6-12 | TC7W08FU(TE12R) | 6-17 |
| | | XN6534-TW | 6-3 | NJM1496V-TE2 | 6-12 | TC7W74FU(TE12R) | 6-17 |
| | | | | NJM2043M-D-TE2 | 6-12 | TL062CPW-E05 | 6-12 |
| | | | | NJM2903V(TE2) | 6-12 | TL064CPW-E05 | 6-17 |
| | | | | RTC-4553B-L2 | 6-12 | UPC311G2-E2 | 6-17 |
| | | | | S-8054HN-CB-T1 | 6-12 | UPC358G2-E2 | 6-4 |
| | | | | SC7S04F | 6-13 | UPC812G2-T2 | 6-12 |
| | | | | SN74HC00APW-E05 | 6-13 | UPD16502GS-E2 | 6-17 |
| | | | | SN74HC04APW-E05 | 6-3 | UPD6453GT-610-E2 | 6-18 |
| | | | | SN74HC08APW-E05 | 6-13 | | |
| | | | | SN74HC165ANS-E05 | 6-13 | | |
| | | | | SN74HC165APW-E05 | 6-13 | | |
| | | | | SN74HC175APW-E05 | 6-14 | | |
| | | | | SN74HC244APW-E05 | 6-13 | | |
| | | | | SN74HC32APW-E05 | 6-14 | | |
| | | | | SN74HC574APW-E05 | 6-14 | | |
| | | | | SN74HC595ADB-E05 | 6-14 | | |
| | | | | SN74HC595ANS-E05 | 6-14 | | |
| | | | | SN74HCT08APW-E05 | 6-13 | | |
| | | | | SN74HCT244APW-E05 | 6-13 | | |

DIODE, TRANSISTOR

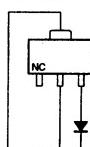
DIODE

-TOP VIEW-



ISS226
1SS123-T1
HSM88AS-TL
MA133-TX
MA3J14300LSO

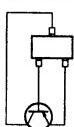
-TOP VIEW-



SB10-05PCP
SB10-05PCP-TD

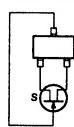
TRANSISTOR

-TOP VIEW-



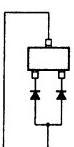
2SA1162-G
2SA812-T1-M5M6
2SA1226-T1E3E4
2SA1576A-T106-QR
2SA1610-T1Y34

-TOP VIEW-



2SK94-T1X2X3X4

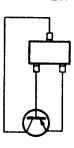
-TOP VIEW-



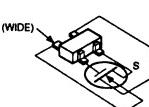
HSM88WA-TL
MA132WA-TX
MA3J142D0LSO

U05G

-TOP VIEW-

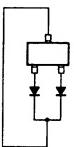


2SB624T1-BV345



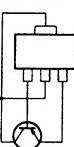
3SK163-1-T7

-TOP VIEW-



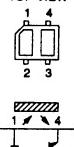
HSM88WK-TL
MA132WK-TX
MA3J142E0LSO

-TOP VIEW-



2SB798-DL
2SA1213Y-TE12L

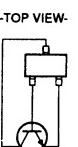
TOP VIEW



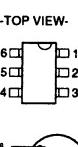
NJL5183KA-F20-TE1



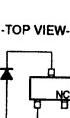
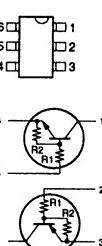
MPG3371X-150 ;GREEN
MPR3371X-150 ;RED
MPR3371X-150



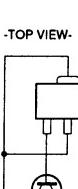
2SC1009A-T1FA4
2SC1623-T1-L5L6
2SC4176-T1B34
2SC4177-T1L5L6
2SC4178-T1F13
2SD596T1-DV345



XN4312-TW



RB411D-T146

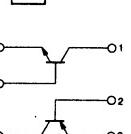


2SD1623-S
2SC2873Y-TE12L

-TOP VIEW-

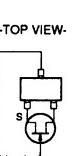


XN4601-TW

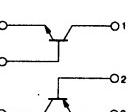


-TOP VIEW-

RD4.3UH-T1



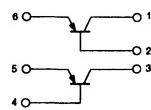
2SK853-T1K5



IC

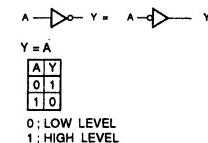
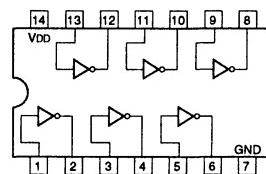
-TOP VIEW-

XN6401-TW
XN6435-TW



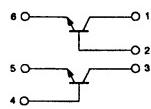
74AC04SJX (NS)FLAT PACKAGE
SN74HC04APW-E05 (TI)FLAT PACKAGE
TC74VHC04FS(EL) (TOSHIBA)FLAT PACKAGE(SMALL)

C-MOS HEX INVERTERS
-TOP VIEW-



-TOP VIEW-

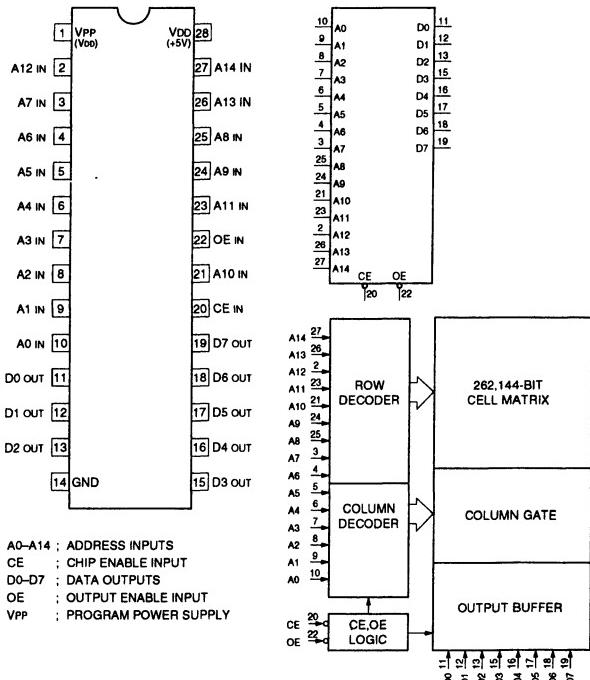
XN6501-TW
XN6534-TW



| TYPE | Vdd |
|------------------|---------------|
| 74AC774VHC74VHCT | +2 to +5.5V |
| 74ACT774HCT | +4.5 to +5.5V |
| 74LCX | +2 to +3.6V |
| OTHER TYPE | +2 to +6V |

AT27C256R-15RC (ATMEL)

C-MOS 256K (32K X 8)-BIT UV ERASABLE ROM WITH 3-STATE OUTPUTS
-TOP VIEW-



| An | CE | OE | Vdd | Vpp | Dn | FUNCTION |
|------|----|-----|--------|--------|-------------|-----------------------|
| An 0 | 0 | 0 | +5V | +5V | D OUT | READ |
| An 0 | 0 | 1 | +5V | +5V | HI-Z | OUTPUT DISABLE |
| X 1 | X | +5V | +5V | +5V | HI-Z | STANDBY |
| An 0 | 1 | +6V | +12.5V | +12.5V | D IN | PGM |
| An 1 | 0 | +6V | +12.5V | +12.5V | D OUT | PGM VERIFY (1) |
| An 0 | 0 | +6V | +12.5V | +12.5V | D OUT | PGM VERIFY (2) |
| X 1 | 1 | +6V | +12.5V | +12.5V | HI-Z | PGM INH |
| AO 0 | 0 | +5V | +5V | +5V | DEVICE CODE | ELECTRONIC SIGNATURE* |

* SEE FOLLOWING DESCRIPTION
ELECTRONIC SIGNATURE FOR P ROM WRITER
ADDRESS SETTINGS IN READ MODE

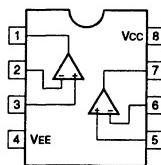
| A1 - A8 | A9 | A10 - A13 | A14, Vpp |
|---------|-----|-----------|----------|
| 0 | 12V | 0 | 1 |

O : LOW LEVEL
1 : HIGH LEVEL
X : DONT CARE
HI-Z : HIGH IMPEDANCE

| AO | CODE DATA | | | | | | | |
|-------------|-----------|----|----|----|----|----|----|----|
| | D7 | D6 | D5 | D4 | D3 | D2 | D1 | D0 |
| MAKER CODE | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 |
| DEVICE CODE | 1 | 0 | 1 | 1 | 0 | 0 | 1 | 0 |

**BA10358F-E2 (ROHM)FLAT PACKAGE
UPC358G2-E2 (NEC)FLAT PACKAGE
DUAL OPERATIONAL AMPLIFIER (HIGH GAIN)**

-TOP VIEW-



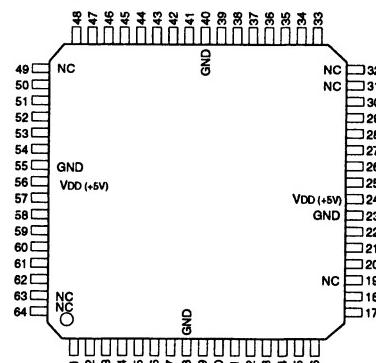
NOTE

| | VCC | VEE |
|----------------|--------------|--------------|
| SINGLE SUPPLY | +3 to +32V | GND |
| SPLIT SUPPLIES | +1.5 to +16V | -1.5 to -16V |

CXD1095AR (SONY)

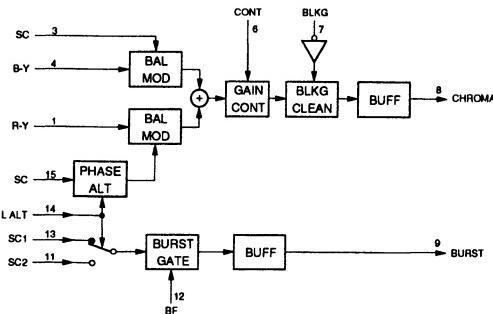
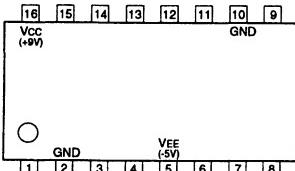
C-MOS I/O EXPANDER

-TOP VIEW-



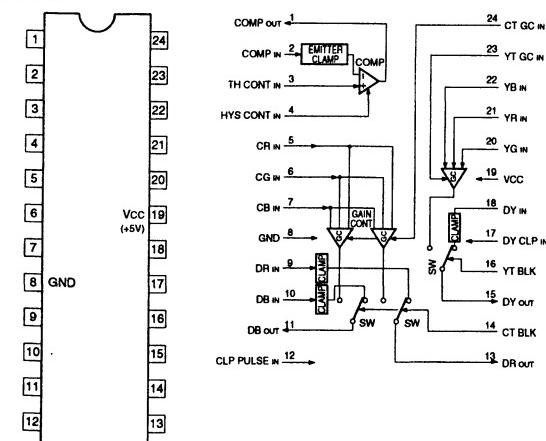
CX22017-TH (SONY)

VIDEO SIGNAL PROCESSOR
-TOP VIEW-



CXA1393AN (SONY)

TITLE INSERT IC FOR CAMERA
-TOP VIEW-



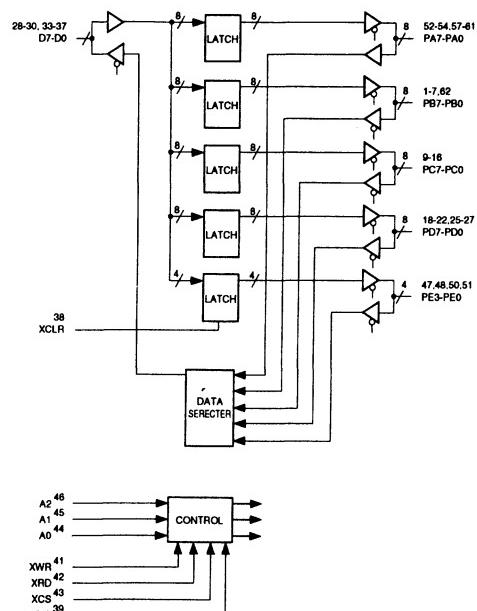
| PIN NO. | I/O | SYMBOL |
|---------|-----|--------|---------|-----|--------|---------|-----|--------|---------|-----|--------|
| 1 | I/O | PB1 | 17 | I/O | NC | 33 | I/O | D3 | 49 | — | NC |
| 2 | I/O | PB2 | 18 | I/O | PD0 | 34 | I/O | D4 | 50 | I/O | PE2 |
| 3 | I/O | PB3 | 19 | I/O | PD1 | 35 | I/O | D5 | 51 | I/O | PE3 |
| 4 | I/O | PB4 | 20 | I/O | PD2 | 36 | I/O | D6 | 52 | I/O | PA0 |
| 5 | I/O | PB5 | 21 | I/O | PD3 | 37 | I/O | D7 | 53 | I/O | PA1 |
| 6 | I/O | PB6 | 22 | I/O | PD4 | 38 | I | XCLR | 54 | I/O | PA2 |
| 7 | I/O | PB7 | 23 | — | GND | 39 | I | XDIS | 55 | — | GND |
| 8 | — | GND | 24 | — | VDD | 40 | — | GND | 56 | — | VDD |
| 9 | I/O | PC0 | 25 | I/O | PD5 | 41 | I | XWR | 57 | I/O | PA3 |
| 10 | I/O | PC1 | 26 | I/O | PD6 | 42 | I | XRD | 58 | I/O | PA4 |
| 11 | I/O | PC2 | 27 | I/O | PD7 | 43 | I | XCS | 59 | I/O | PA5 |
| 12 | I/O | PC3 | 28 | I/O | DO | 44 | I | A0 | 60 | I/O | PA6 |
| 13 | WO | PC4 | 29 | I/O | D1 | 45 | I | A1 | 61 | I/O | PA7 |
| 14 | I/O | PC5 | 30 | I/O | D2 | 46 | I | A2 | 62 | I/O | PB0 |
| 15 | I/O | PC6 | 31 | — | NC | 47 | I/O | PE0 | 63 | — | NC |
| 16 | I/O | PC7 | 32 | — | NC | 48 | I/O | PE1 | 64 | — | NC |

INPUT

A0-A3 : ADDRESS INPUT
XCLR : CLEAR
XCS : CHIP SELECT
XDIS : DISABLE
XRD : READ
XWR : WRITE

INPUT/OUTPUT

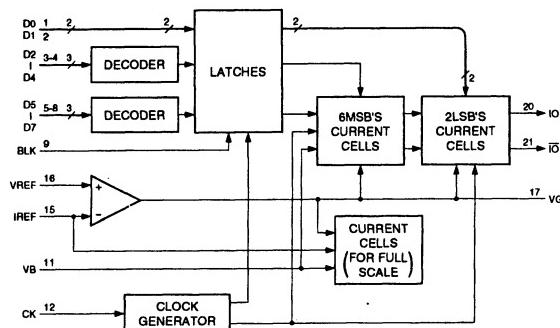
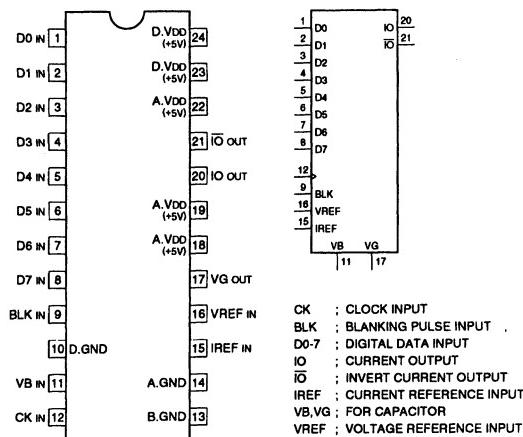
DO-7 : DATA BUS
PA0-A7 : I/O PORT 1
PB0-B7 : I/O PORT 2
PC0-C7 : I/O PORT 3
PD0-D7 : I/O PORT 4
PE0-E7 : I/O PORT 5



CXD1171M-TH (SONY)FLAT PACKAGE

C-MOS 8-BIT D/A CONVERTER

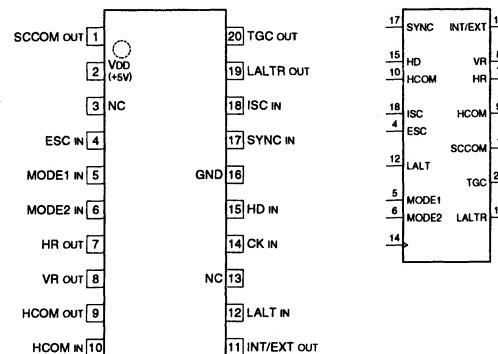
TOP VIEW.



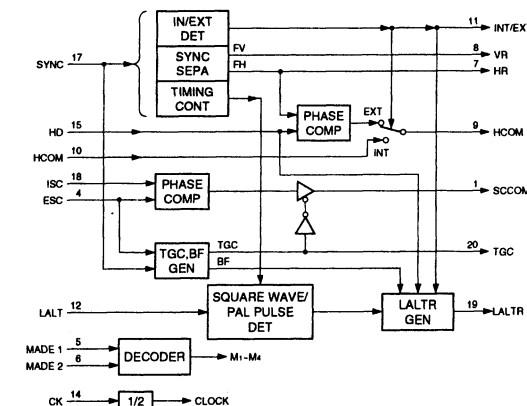
CXD1216M-TH (SONY)FLAT PACKAGE

C-MOS GENLOCK DRIVER

TOP VIEW.



| INPUT | MODE | SYSTEM |
|---------------|------|--|
| MODE1 / MODE2 | M1 | PAL-VBS |
| 0 / 0 | M2 | PALM-VBS |
| 0 / 1 | M3 | PAL,SECAM-VS/SC/LALT |
| 1 / 1 | M4 | NTSC-VBS,NTSC-VS/SC PALM-VS/SC/LALT |

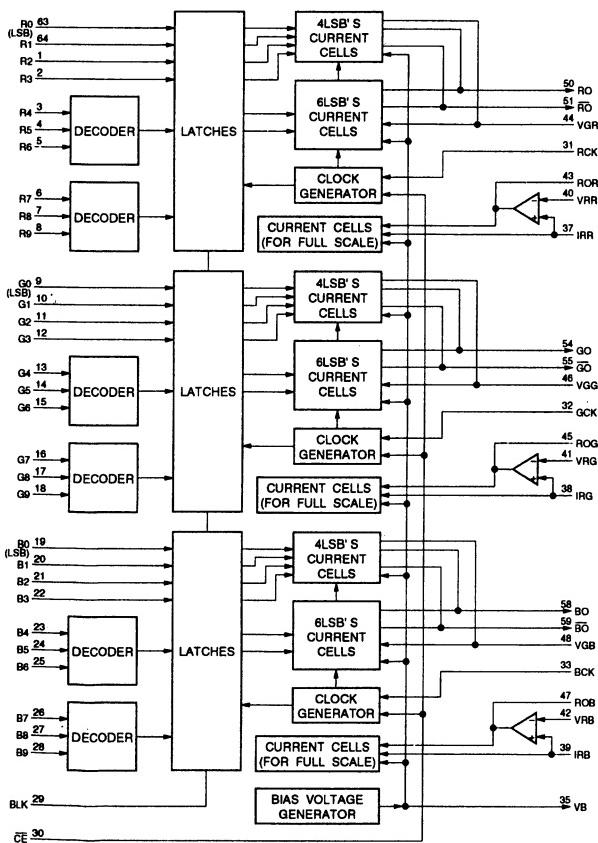
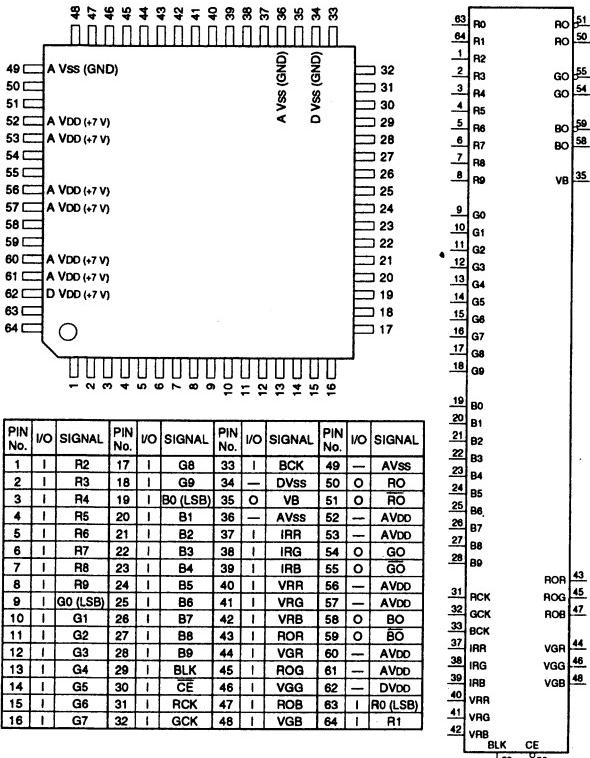
0 : LOW LEVEL
1 : HIGH LEVEL

| INPUT | CK | ESC | HCOM | HD | ISC | ESC | LALT | MODE 1 | MODE 2 |
|---------|------------------|----------------|------------------------------|----------------------|-------------------------|--------------------------------------|------|---------------|--------------------------------------|
| CK | 4fsc CLOCK INPUT | | | | | | | | |
| ESC | | SC/COLOR BURST | | | | | | | |
| HCOM | | | PHASE COMPARATE FROM CXD1217 | | | | | | |
| HD | | | | H DRIVE FROM CXD1217 | | | | | |
| ISC | | | | | SUBCARRIER FROM CXD1217 | | | | |
| ESC | | | | | | LALT FROM REFERENCE SIGNAL GENERATOR | | | |
| LALT | | | | | | | LALT | | |
| MODE1,2 | | | | | | | | SYSTEM SELECT | |
| SYNC | | | | | | | | | SYNC FROM REFERENCE SIGNAL GENERATOR |

| OUTPUT | HCOM | HR | INT/EXT | LALTR | TGC | VR |
|---------|-----------------------------|---------------------|-----------------------------|-------------------|----------------------------|---------------------|
| HCOM | PHASE COMPARATOR HR WITH HD | | | | | |
| HR | | 1H OF SYNC SEPARATE | | | | |
| INT/EXT | | | INTERNAL/EXTERNAL SPECIFIED | | | |
| LALTR | | | | LINE CHANGE RESET | | |
| SCCOM | | | | | PHASE COMPARE ESC WITH ISC | |
| TGC | | | | | TRISTATE CONTROL | |
| VR | | | | | | IV OF SYNC SEPARATE |

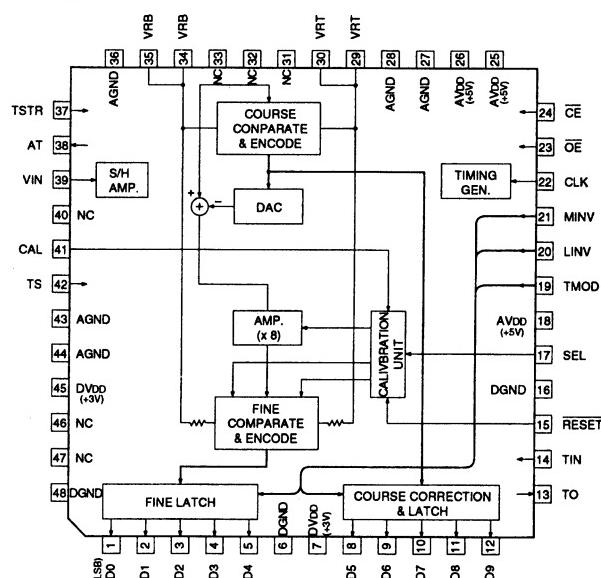
CXD2307R-T4 (SONY)FLAT PACKAGE

**C-MOS 10-BIT 50MSPS RGB 3CHANNEL D/A CONVERTER
—TOP VIEW—**



CXD2310AR-T4 (SONY)

C-MOS 10-BIT 20MSPS VIDEO A/D CONVERTER
—TOP VIEW—

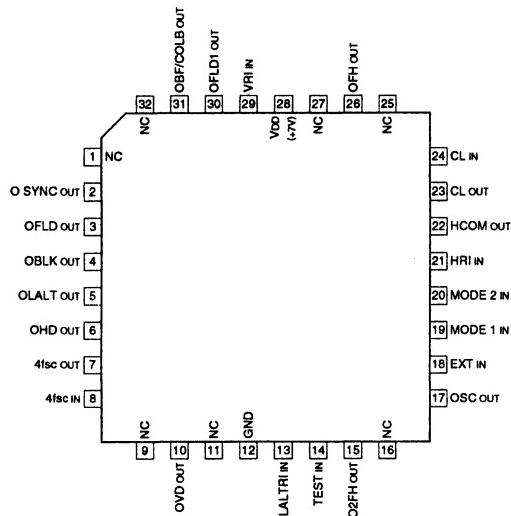


| | | |
|--------------|---|---|
| INPUT | : | CALIBRATION PULSE INPUT |
| CAL | : | CHIP ENABLE |
| CE | : | CLOCK |
| CLK | : | OUTPUT (D0-D8) INVERSION |
| LINV | : | OUTPUT (D9) INVERSION |
| MINV | : | DIGITAL DATA OUTPUT ENABLE |
| OE | : | CALIBRATION CIRCUIT RESET |
| RESET | : | OUTPUT DATA (D5-D9) SELECT FOR CALIBRATION (4-CLOCK) HIGH; THROUGH OUTPUT, LOW; DATA FIXED AS WITH D0-D4 |
| SEL | : | TEST SIGNAL INPUT |
| TIN | : | TEST MODE |
| TMOD | : | TEST SIGNAL INPUT |
| TS | : | TEST SIGNAL INPUT |
| TSTR | : | TEST SIGNAL INPUT |
| VBR | : | REFERENCE BOTTOM VOLTAGE |

OUTPUT

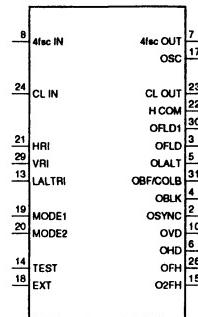
| | | |
|-------|---|---------------------|
| AT | : | TEST SIGNAL OUTPUT |
| D0-D9 | : | DIGITAL DATA OUTPUT |
| TC | : | TEST PIN |

CXD1217Q-T4 (SONY)

C-MOS SYNC GENERATOR
TOP VIEW.

| SYSTEM | 4fsc | CLOCK |
|--------|--------------|-------|
| NTSC | 910fH | 910fH |
| PAL | 1135fH + 2fV | 908fH |
| PALM | 909fH | 910fH |
| SECAM | — | 908fH |

| INPUT | SYSTEM |
|-------|--------|
| MODE1 | MODE2 |
| 0 | 0 |
| 0 | 1 |
| 1 | 0 |
| 1 | 1 |

0 : LOW LEVEL
1 : HIGH LEVEL

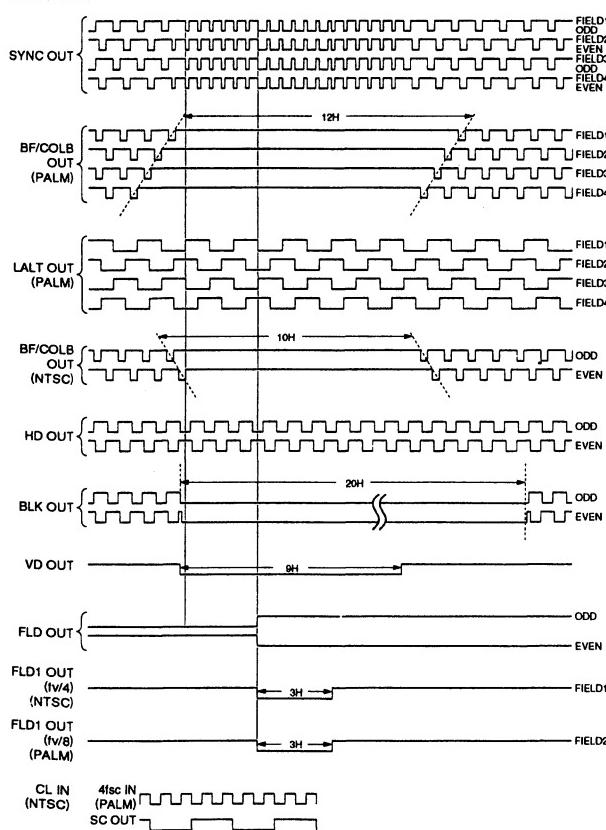
INPUT

- 4fsc IN : 4fsc
- CL IN : CLOCK
- EXT : SYNC MODE SELECT
(L : INTERNAL/H : EXTERNAL)
- HRI : HORIZONTAL RESET
- LALTRI : LINE ALTERNATE RESET
- MODE1, 2 : SYSTEM SELECT
- VRI : VERTICAL RESET

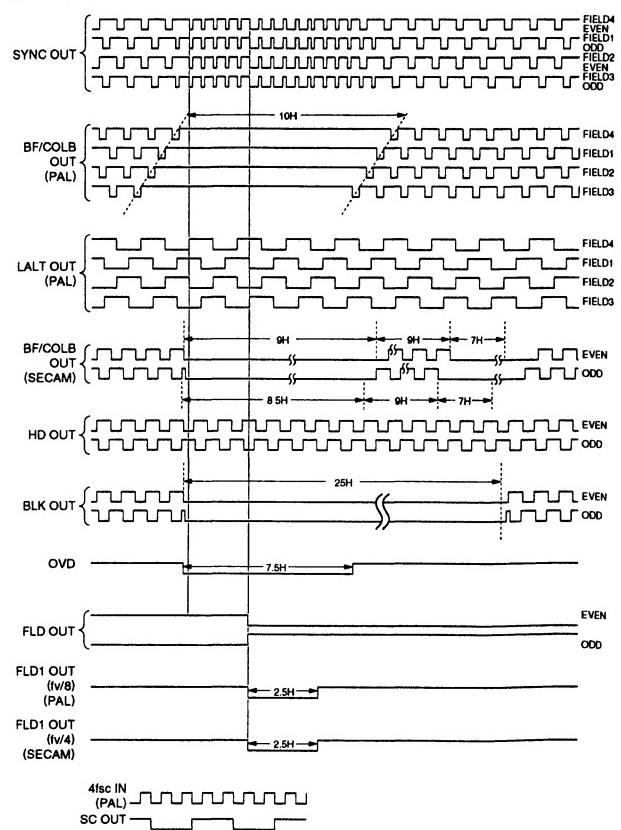
OUTPUT

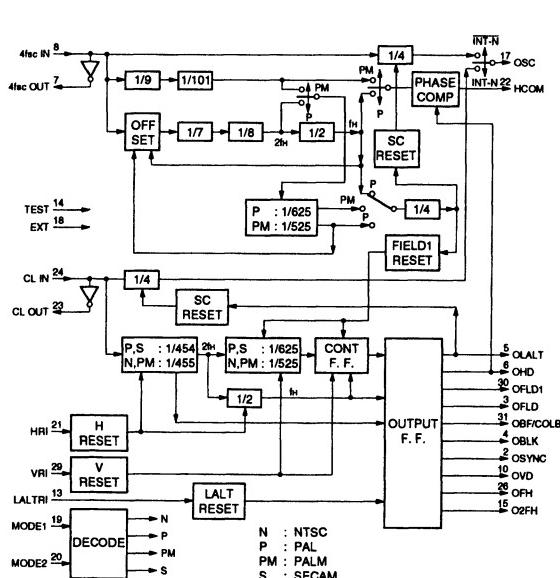
- 4fsc OUT : 4fsc
- CL OUT : CLOCK
- HCOM : PHASE COMPARATOR
- O2FH : 2fH
- OBF/COLB : BURST FLAG/COLOR BLANKING
- OBLK : COMPOSITE BLANKING
- OFH : fH
- OFLD : FIELD PULSE
- OF LD1 : FIELD1
- OHD : HORIZONTAL DRIVE
- OL ALT : LINE ALTERNATE
- OSC : SUBCARRIER
- OSYNC : COMPOSITE SYNC
- OVD : VERTICAL DRIVE

(NTSC, PALM)

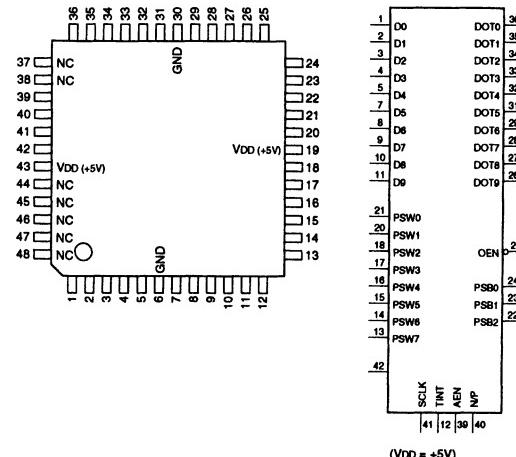


(PAL, SECAM)





CXK1203AR-T4 (SONY)

C-MOS DIGITAL LINE MEMORY
—TOP VIEW—

| PIN NO. | I/O | SIGNAL |
|---------|-----|--------|---------|-----|--------|---------|-----|--------|---------|-----|--------|
| 1 | I | D0 | 13 | I | PSW7 | 25 | I | OEN | 37 | — | N.C |
| 2 | I | D1 | 14 | I | PSW6 | 26 | O | DOT0 | 38 | — | N.C |
| 3 | I | D2 | 15 | I | PSW5 | 27 | O | DOT8 | 39 | I | AEN |
| 4 | I | D3 | 16 | I | PSW4 | 28 | O | DOT7 | 40 | I | N/P |
| 5 | I | D4 | 17 | I | PSW3 | 29 | O | DOT6 | 41 | I | SCLK |
| 6 | — | D5 | 18 | I | PSW2 | 30 | — | GND | 42 | I | CLK |
| 7 | I | D6 | 19 | — | Vdd | 31 | O | DOT5 | 43 | — | Vdd |
| 8 | I | D7 | 20 | I | PSW1 | 32 | O | DOT4 | 44 | — | N.C |
| 9 | I | D8 | 21 | I | PSW0 | 33 | O | DOT3 | 45 | — | N.C |
| 10 | I | D9 | 22 | I | PSB2 | 34 | O | DOT2 | 46 | — | N.C |
| 11 | I | D0 | 23 | I | PSB1 | 35 | O | DOT1 | 47 | — | N.C |
| 12 | I | TINT | 24 | I | PSB0 | 36 | O | DOT0 | 48 | — | N.C |

AEN : LINE MEMORY SELECT

CLK : CLOCK

DINO-DIN9 : VIDEO DATA INPUT

DOT0-DOT9 : VIDEO DATA OUTPUT

N/P : NTSC/PAL/SECAM SELECT

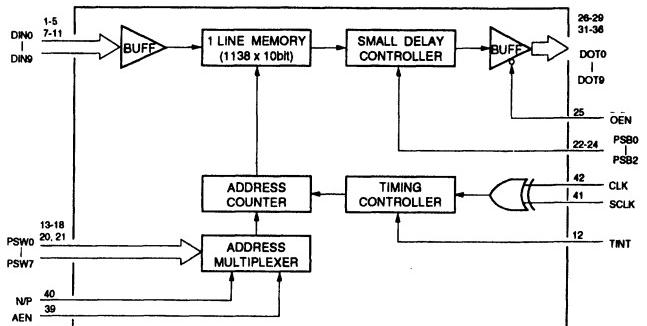
OEN : OUTPUT ENABLE

PSB0-PSB2 : DELAY STEP SELECT (1 BITxN)

PSW0-PSW7 : DELAY STEP SELECT (6 BITxN)

SCLK : CLOCK EDGE SELECT

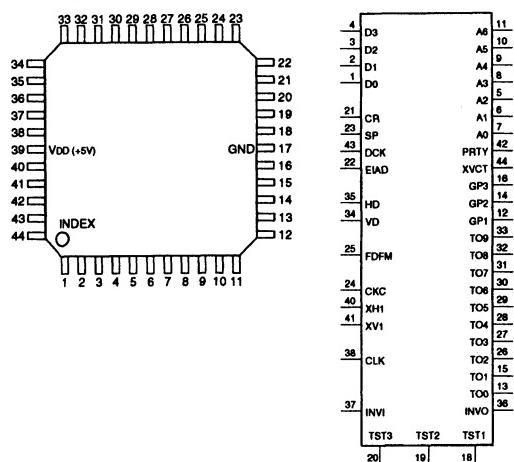
TINT : TEST



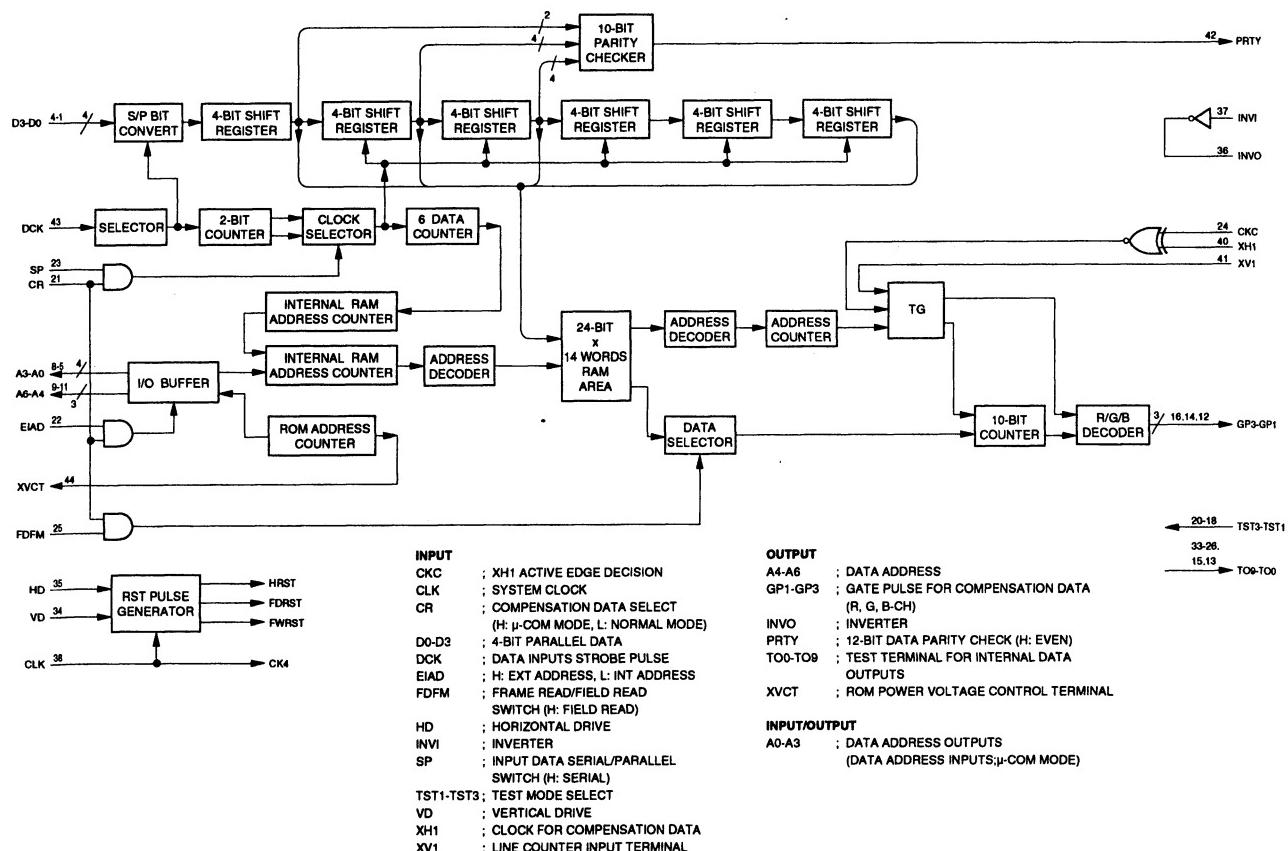
CXD8095Q (SONY)FLAT PACKAGE

C-MOS GATE ARRAY

—TOP VIEW—

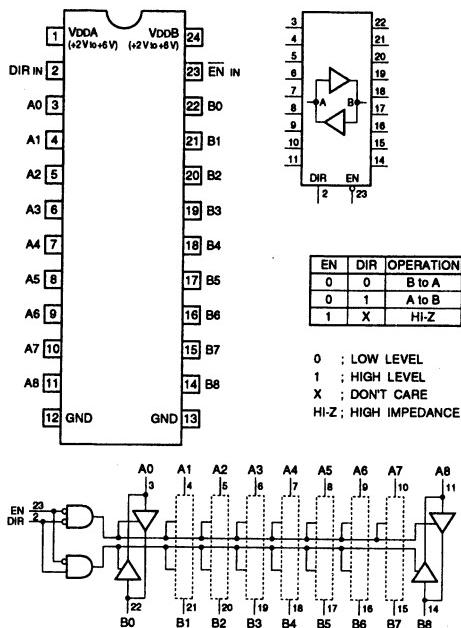


| PIN No. | I/O | SYMBOL |
|---------|-----|--------|---------|-----|--------|---------|-----|--------|---------|-----|--------|
| 1 | I | D0 | 12 | O | GP1 | 23 | I | SP | 34 | I | VDD |
| 2 | I | D1 | 13 | O | TO0 | 24 | I | CKC | 35 | I | HD |
| 3 | I | D2 | 14 | O | GP2 | 25 | I | FDFM | 36 | O | INVO |
| 4 | I | D3 | 15 | O | TO1 | 26 | O | TO2 | 37 | I | INVI |
| 5 | IO | A2 | 16 | O | GP3 | 27 | O | TO3 | 38 | I | CLK |
| 6 | IO | A1 | 17 | — | GND | 28 | O | TO4 | 39 | — | VDD |
| 7 | IO | A0 | 18 | I | TST1 | 29 | O | TO5 | 40 | I | XH1 |
| 8 | IO | A3 | 19 | I | TST2 | 30 | O | TO6 | 41 | I | XV1 |
| 9 | O | A4 | 20 | I | TST3 | 31 | O | TO7 | 42 | O | PRTY |
| 10 | O | A5 | 21 | I | CR | 32 | O | TO8 | 43 | I | DCK |
| 11 | O | A6 | 22 | I | EIAD | 33 | O | TO9 | 44 | O | XVCT |

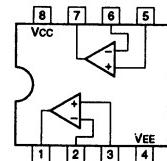


HD151015TEL (HITACHI)FLAT PACKAGE

C-MOS 9-BIT LEVEL SHIFTER/TRANSCEIVER WITH 3-STATE OUTPUTS
—TOP VIEW—

**LT1253CS8-E2 (LINEAR TECHNOLOGY)FLAT PACKAGE**

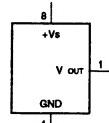
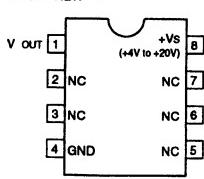
DUAL VIDEO AMPLIFIER
—TOP VIEW—



| | V _{CC} | V _{EE} |
|----------------|-----------------|-----------------|
| SINGLE SUPPLY | +4 to +28V | GND |
| SPLIT SUPPLIES | +2 to +14V | -2 to -14V |

LM35DMX (NS)FLAT PACKAGE

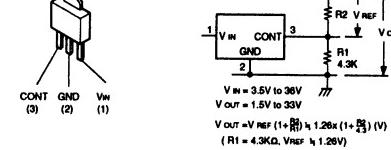
TEMPERATURE SENSOR
—TOP VIEW—

**LM4040AIM3-2.5 (NS)**

PRECISION MICROPOWER SHUNT VOLTAGE REFERENCE
—TOP VIEW—

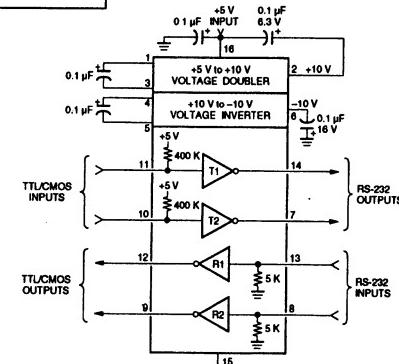
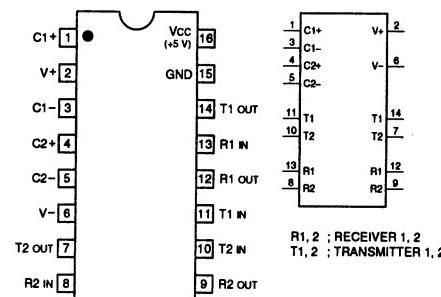
**M5237ML-TP1 (MITSUBISHI)**

ADJUSTABLE VOLTAGE REGULATOR

**MAX202CSE-TE2 (MAXIM)**

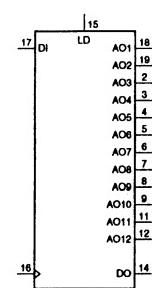
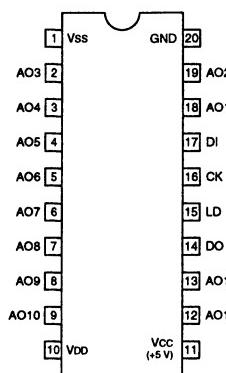
RS-232 TRANSMITTER/RECEIVER

—TOP VIEW—



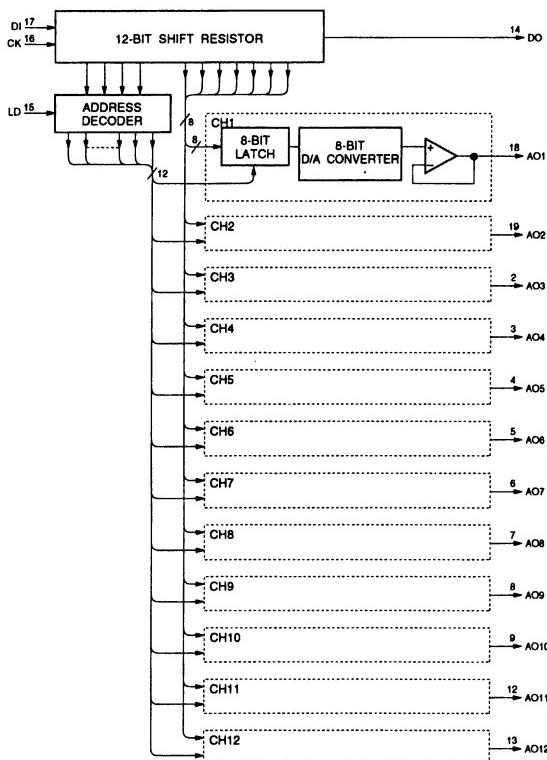
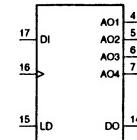
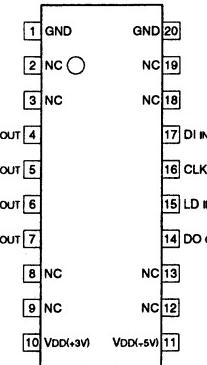
M62352GP-75ED (MITSUBISHI)FLAT PACKAGE
**C-MOS 8-BITx12 CHANNEL D/A CONVERTER
(WITH BUFFER OPERATIONAL AMPLIFIER)**

—TOP VIEW—



AO1-AO12 : 8-BIT D/A OUTPUTS
CK : CLOCK INPUT
DI : SERIAL DATA INPUT
DO : DATA OUTPUT

NOTE:
3.5 V < VDD < VCC
-3.5 V < VSS < VCC

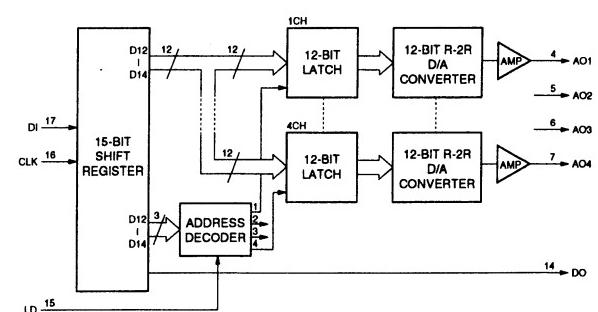

MB88351PFV-ER (FUJITSU)FLAT PACKAGE
**C-MOS 12-BIT D / A CONVERTER WITH OPERATIONAL AMPLIFIER
-TOP VIEW-**


INPUT
CLK : SHIFT CLOCK
DI : SERIAL DATA
LD : DECODER AND D/A REGISTER TO LOAD

OUTPUT
AO1 - AO4 : ANALOG DATA
DO : MBS BIT DATA IN 15-BIT SHIFT REGISTER

| D12 | D13 | D14 | ADDRESS SELECT |
|-----|-----|-----|----------------|
| 0 | 0 | 0 | DON'T CARE |
| 0 | 0 | 1 | AO1 SELECT |
| 0 | 1 | 0 | AO2 SELECT |
| 0 | 1 | 1 | AO3 SELECT |
| 1 | 0 | 0 | AO4 SELECT |
| 1 | 0 | 1 | DON'T CARE |
| 1 | 1 | 0 | DON'T CARE |
| 1 | 1 | 1 | DON'T CARE |

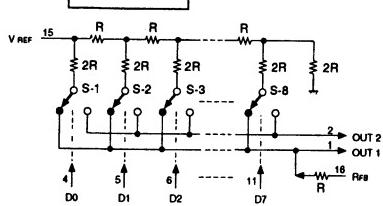
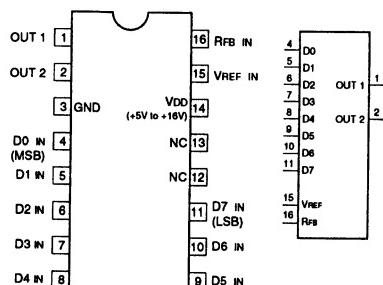
0 : LOW LEVEL
1 : HIGH Level



MP7523JS-T2 (MICRO POWER SYSTEMS)FLAT PACKAGE

C-MOS 8-BIT D/A CONVERTER

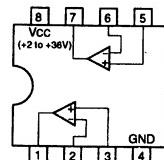
TOP VIEW

MP7523: R=10k
XRD7523: R=20k

NJM2903V(TE2) (FSC)

DUAL VOLTAGE COMPARATORS

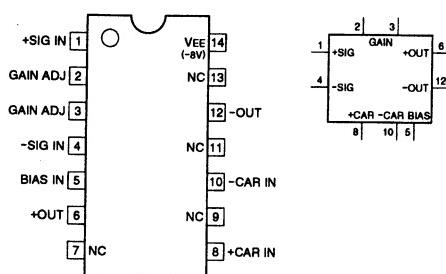
TOP VIEW



NJM1496V-TE2 (JRC)FLAT PACKAGE

BALANCED MODULATOR/DEMODULATOR

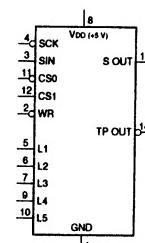
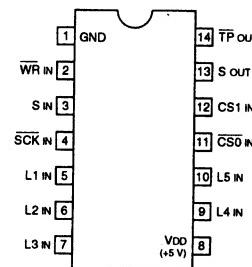
TOP VIEW



RTC-4553B-L2 (EPSON)

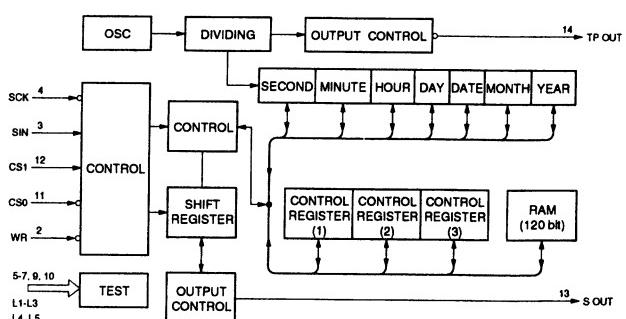
C-MOS REAL TIME CLOCK

TOP VIEW



INPUT
 CS0 : CHIP SELECT (L: ACCESS ENABLE, H: SOUT HIGH Z)
 CS1 : POWER DOWN DETECTION
 L1-L5 : TEST IN
 SCK : SERIAL SYNC SIGNAL
 SIN : SERIAL ADDRESS/DATA
 WR : WRITING SELECT (L: WRITING, H: READING)

OUTPUT
 SOUT : SERIAL ADDRESS/DATA
 TPOUT : REFERENCE SIGNAL



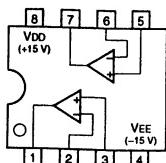
NJM2043M-D-TE2 (JRC)FLAT PACKAGE

TL062CPW-E05 (TI)FLAT PACKAGE

UPC812G2-T2 (NEC)FLAT PACKAGE

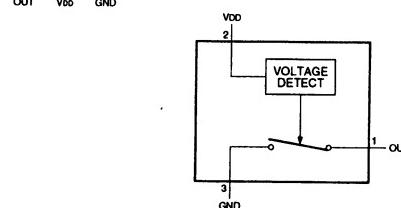
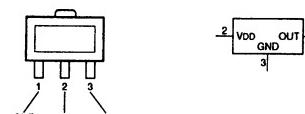
DUAL OPERATIONAL AMPLIFIER

TOP VIEW



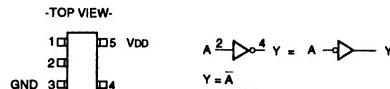
S-8054HN-CB-T1 (SEIKO I AND E)

C-MOS VOLTAGE DETECTOR WITH N-CHANNEL OPEN DRAIN OUTPUT
 TOP VIEW



SC7S04F (MOTOROLA)CHIP PACKAGE
 TC4S69F(TE85R) (TOSHIBA)CHIP PACKAGE
 TC7S04F(TE85R) (TOSHIBA)CHIP PACKAGE
 TC7S04FU(TE85R) (TOSHIBA)FLAT PACKAGE

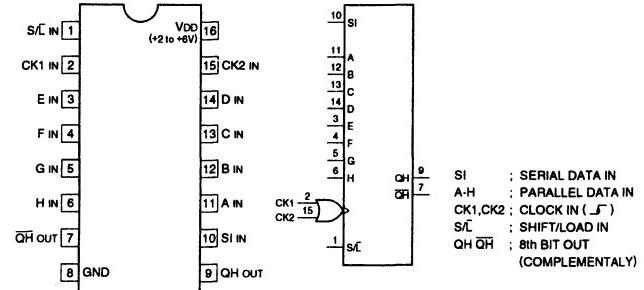
C-MOS INVERTER



| TYPE | V _{DD} |
|----------|-----------------|
| 7S04F | +2 to +6V |
| 7SU04F | +2 to +6V |
| 7SU04FU | +2 to +5.5V |
| 4S69F | +3 to +18V |
| 4SU69F | +3 to +18V |
| 7SH04FU | +2 to +5.5V |
| 7SHU04FU | +2 to +5.5V |

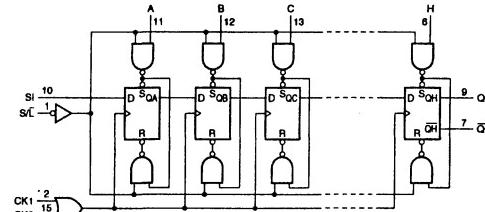
SN74HC165ANS-E05 (TI)FLAT PACKAGE
 SN74HC165APW-E05 (TI)FLAT PACKAGE
 TC74VHC165FS(EL) (TOSHIBA)FLAT PACKAGE
 C-MOS SERIAL-OR PARALLEL-INPUT SHIFT REGISTER

-TOP VIEW-



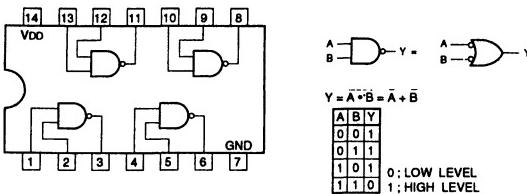
| INPUTS | | CONTENTS | | OUTPUT | OPERATION |
|--------|---------|----------|---------|--------------|---------------|
| S/L | CK1+CK2 | SI | A.....H | QA QB..... | QH |
| 0 | X | X | a.....h | a b.....h | PARALLEL LOAD |
| 1 | \cdot | 0 | X | 0 QAo..... | QGo |
| 1 | \cdot | 1 | X | 1 QAo..... | QGo |
| 1 | \cdot | X | X | QAo QBo..... | QHo |
| 1 | \cdot | 0 | X | QBo..... | QHo |
| 1 | \cdot | 1 | X | QAo QBo..... | QHo |

0 : LOW LEVEL
 1 : HIGH LEVEL
 X : DON'T CARE
 a-h : LEVEL OF INPUTS A-H
 QAo-QHo : LEVEL OF QA-QH BEFORE THE INDICATED INPUT CONDITIONS
 WERE ESTABLISHED



SN74HC00APW-E05 (TI)FLAT PACKAGE
 TC74VHC00FS(EL) (TOSHIBA)FLAT PACKAGE(SMALL)

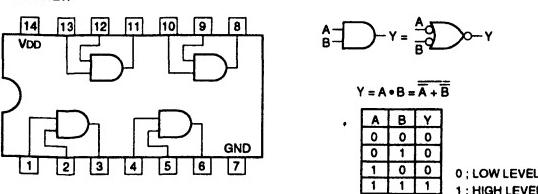
C-MOS QUAD 2-INPUT NAND GATES
 -TOP VIEW-



| TYPE | V _{DD} |
|-------------|-----------------|
| 74AC/74VHC | +2 to +5.5V |
| 74ACT/74HCT | +4.5 to +5.5V |
| 74LCX | +2 to +3.6V |
| OTHER TYPES | +2 to +6V |

SN74HC08APW-E05 (TI)FLAT PACKAGE
 SN74HCT08APW-E05 (TI)FLAT PACKAGE

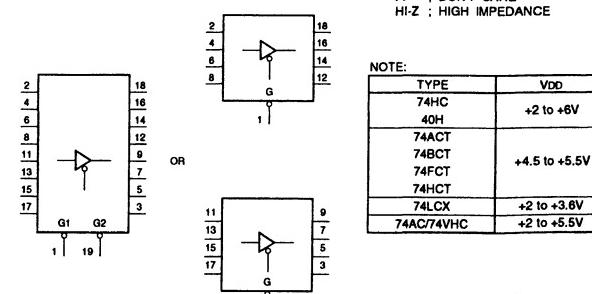
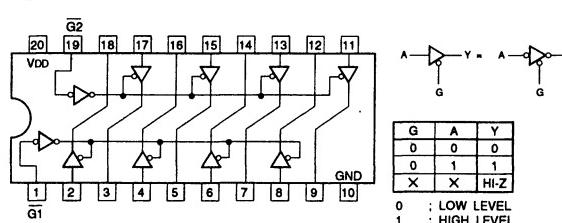
C-MOS QUAD 2-INPUT AND GATE
 -TOP VIEW-



| TYPE | V _{DD} |
|-------------|-----------------|
| AC | +2 to +5.5V |
| TC40H | +2 to +8V |
| ACT/HCT | +5V |
| OTHER TYPES | +2 to +6V |

SN74HC244APW-E05 (TI)
 SN74HCT244APW-E05 (TI)FLAT PACKAGE

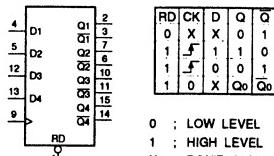
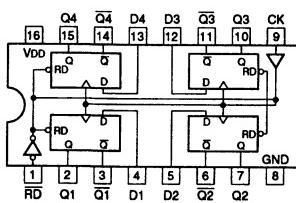
C-MOS BUS BUFFER WITH 3-STATE OUTPUTS
 -TOP VIEW-



SN74HC175APW-E05 (TI)FLAT PACKAGE

C-MOS QUAD D-TYPE FLIP-FLOPS WITH RESET

TOP VIEW



0 : LOW LEVEL
1 : HIGH LEVEL
X : DON'T CARE
 Q_o : NO CHANGE
 \bar{Q}_o : NO CHANGE

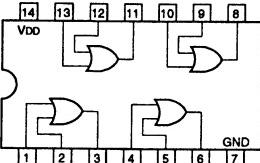
NOTE:

| TYPE | V _{DD} |
|---------------|-----------------|
| AC TYPE | +2V to +5.5V |
| 74ACT175 TYPE | +4.5V to 5.5V |
| OTHER TYPES | +2V to 6V |

SN74HC32APW-E05 (TI)FLAT PACKAGE

C-MOS QUAD 2-INPUT OR GATES

TOP VIEW



$$Y = A + B = \bar{A} + B$$

| A | B | Y |
|---|---|---|
| 0 | 0 | 0 |
| 0 | 1 | 1 |
| 1 | 0 | 1 |
| 1 | 1 | 1 |

NOTE:

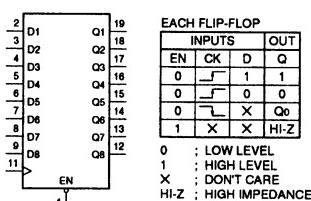
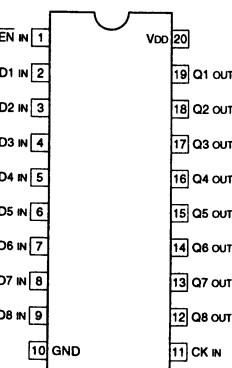
| TYPE | V _{DD} |
|-----------|-----------------|
| 74AC74VHC | +2 to +5.5V |
| 74HC | +2 to +6V |
| 74HCT | +4.5 to +5.5V |

SN74HC574APW-E05 (TI)

TC74VHC574FS(EL) (TOSHIBA)FLAT PACKAGE(SMALL)

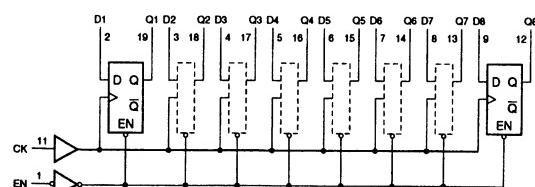
C-MOS 3-STATE D-TYPE EDGE-TRIGGERED FLIP-FLOP

TOP VIEW



EACH FLIP-FLOP
INPUTS OUT
EN CK D Q
0 _ 1 1
0 _ 0 0
0 X X HI-Z
 Q_o NO CHANGE

0 : LOW LEVEL
1 : HIGH LEVEL
X : DON'T CARE
HI-Z : HIGH IMPEDANCE
 Q_o : NO CHANGE



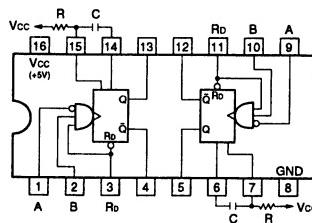
NOTE:

| TYPE | V _{DD} |
|------------------|-----------------|
| 74HC | +2 to +6V |
| 74AC74VHC | +2 to +5.5V |
| 74ACT74FCT/74HCT | +4.5 to +5.5V |
| 74LCX | +2 to 3.6V |
| 74LVC | +2.7 to 3.6V |

SN74LS123NS-E05 (TI)FLAT PACKAGE

TTL RETRIGGERABLE MONOSTABLE MULTIVIBRATORS WITH DIRECT RESET

TOP VIEW



| INPUTS | OUTPUTS |
|--------------------|-------------|
| R _d A B | Q \bar{Q} |
| 0 X X | 0 1 |
| X 1 X | 0 1 |
| X X 0 | 0 1 |
| 1 0 _ | 1 _ |
| 1 1 1 | 1 _ |
| 1 0 1 | 1 _ |

0 : LOW LEVEL
1 : HIGH LEVEL
X : DON'T CARE

OUTPUT PULSE WIDTH

V_{CC} C \leq R '123 ; $T_w = 0.28 (1 + \frac{70}{R}) CR$

'L123; $T_w = 0.33 (1 + \frac{70}{R}) CR$

V_{CC} C \leq R '123 ; $T_w = 0.25 (1 + \frac{70}{R}) CR$

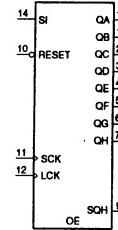
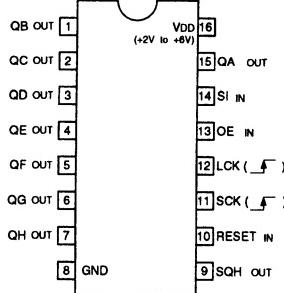
'L123; $T_w = 0.29 (1 + \frac{70}{R}) CR$

V_{CC} C \leq R LS123; $T_w = 0.45 CR$

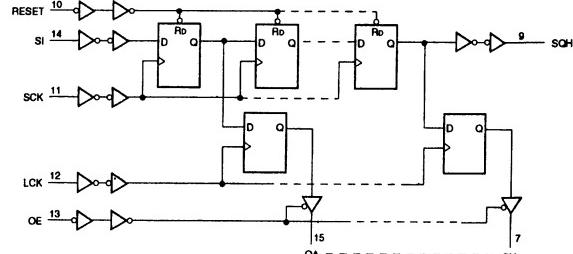
SN74HC595ADB-E05 (TI)FLAT PACKAGE(SMALL)
SN74HC595ANS-E05 (TI)FLAT PACKAGE

C-MOS 8-BIT SERIAL-INPUT/SERIAL- OR PARALLEL-OUTPUT SHIFT REGISTER WITH LATCHED 3-STATE OUTPUT

TOP VIEW



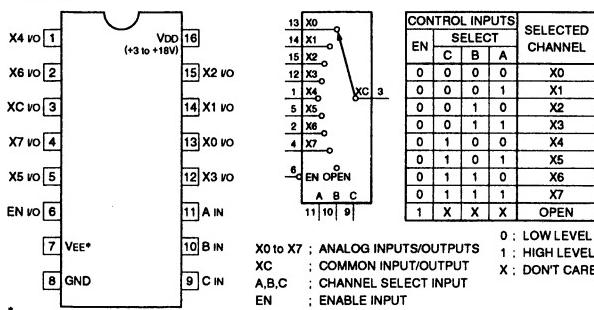
OE : OUTPUT ENABLE INPUT
LCK : LATCH CLOCK INPUT
SCK : SHIFT CLOCK INPUT
RESET : SHIFT-REGISTER RESET INPUT
SI : SERIAL IN
QA-QH : PARALLEL OUTPUT
SQH : SERIAL OUT



TC4051BFS(EL) (TOSHIBA)FLAT PACKAGE

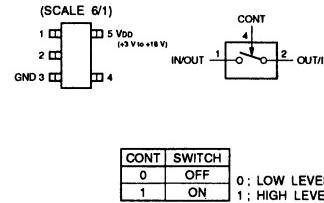
C-MOS 8-CHANNEL ANALOG MULTIPLEXER/DEMULTIPLEXER

-TOP VIEW-

**TC4S66F(TE85R) (TOSHIBA)CHIP PACKAGE**

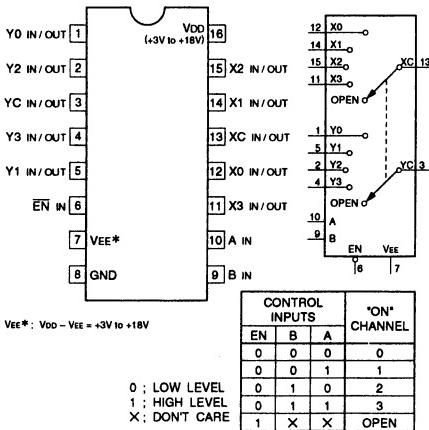
C-MOS BILATERAL ANALOG SWITCH

-TOP VIEW-

**TC4052BFS(ELQ) (TOSHIBA)FLAT PACKAGE**

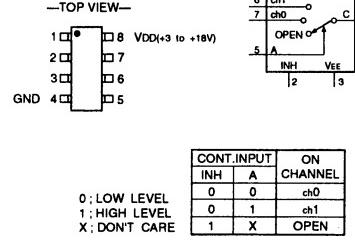
C-MOS DUAL 4-CHANNEL ANALOG MULTIPLEXERS / DEMULTIPLEXERS

-TOP VIEW-

**TC4W53FU(TE12R) (TOSHIBA)CHIP PACKAGE**

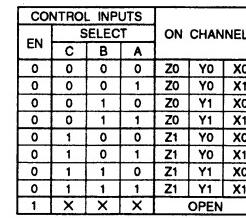
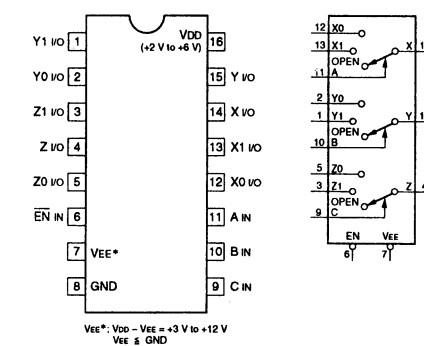
C-MOS 2-CHANNEL MULTIPLEXER / DEMULTIPLEXER

-TOP VIEW-

**TC74HC4053AFS-EL (TOSHIBA)FLAT PACKAGE**

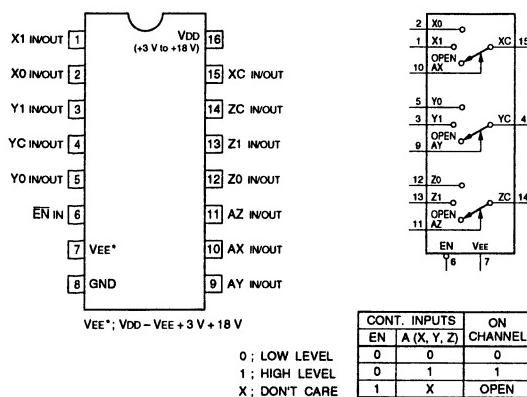
C-MOS TRIPLE 2-CHANNEL ANALOG MULTIPLEXER/DEMULTIPLEXER

-TOP VIEW-

**TC4053BFS-EL (TOSHIBA)FLAT PACKAGE**

C-MOS TRIPLE 2-CHANNEL ANALOG MULTIPLEXERS/DEMULTIPLEXERS

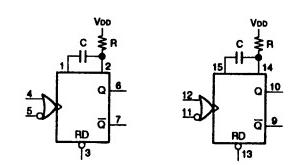
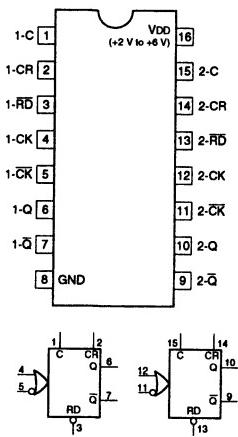
-TOP VIEW-



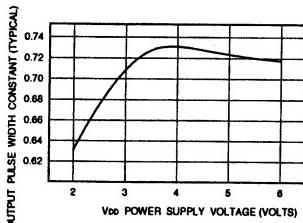
TC74HC4538AFS-EL (TOSHIBA)FLAT PACKAGE

C-MOS DUAL RETRIGGERABLE / NON-RETRIGGERABLE MONOSTABLE
MULTIVIBRATOR

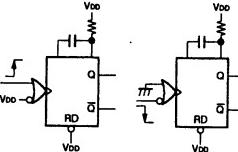
-TOP VIEW-



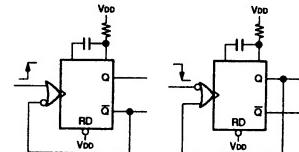
OUTPUT PULSE WIDTH = $k \cdot C \cdot R$



RETRIGGERABLE M. M. V

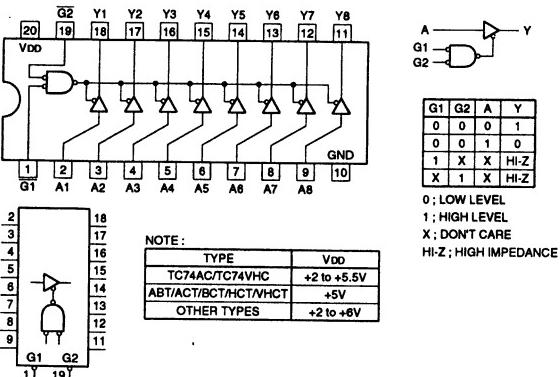


NON-RETRIGGERABLE M. M. V



TC74VHC541FS(EL) (TOSHIBA)FLAT PACKAGE(SMALL)

C-MOS BUFFERS AND LINE DRIVERS WITH 3-STATE OUTPUTS
-TOP VIEW-

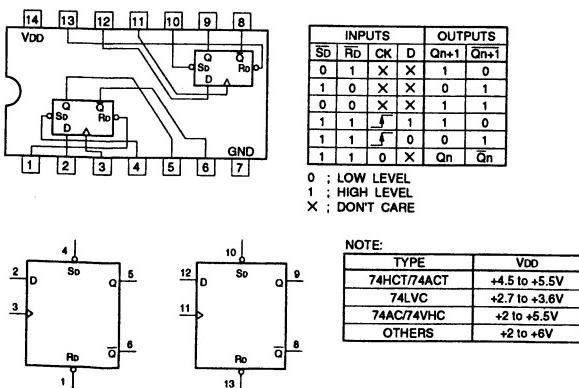


| G1 | G2 | A | Y |
|----|----|---|------|
| 0 | 0 | 0 | 1 |
| 0 | 0 | 1 | 0 |
| 1 | X | X | HI-Z |
| X | 1 | X | HI-Z |

0 : LOW LEVEL
1 : HIGH LEVEL
X : DONT CARE
HI-Z : HIGH IMPEDANCE

TC74VHC74FS(EL) (TOSHIBA)FLAT PACKAGE(SMALL)

C-MOS DUAL D-TYPE FLIP-FLOPS WITH DIRECT SET/RESET
-TOP VIEW-



INPUTS

OUTPUTS

| SD | RD | CK | D | Qn+1 | Qn+1 |
|----|----|----|---|------|------|
| 0 | 1 | X | X | 1 | 0 |
| 1 | 0 | X | X | 0 | 1 |
| 0 | 0 | X | X | 1 | 1 |
| 1 | 1 | X | X | 1 | 0 |
| 1 | 1 | 0 | 0 | 0 | 1 |
| 1 | 1 | 0 | X | Qn | Qn |

0 : LOW LEVEL
1 : HIGH LEVEL
X : DONT CARE

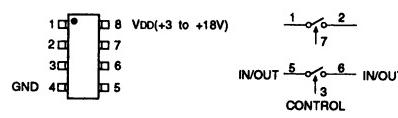
| TYPE | VDD |
|------------|---------------|
| 74HC174ACT | +4.5 to +5.5V |
| 74LVC | +2.7 to +3.6V |
| 74AC/74VHC | +2 to +5.5V |
| OTHERS | +2 to +6V |

NOTE:

TC4W66FU(TE12R) (TOSHIBA)FLAT PACKAGE

C-MOS DUAL BILATERAL SWITCH

(SCALE 3/1)
—TOP VIEW—



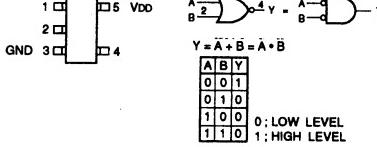
| CONTROL | SWITCH |
|---------|--------|
| 0 | OFF |
| 1 | ON |

0 : LOW LEVEL
1 : HIGH LEVEL

TC7S02FU(TE85R)(TOSHIBA)CHIP PACKAGE

C-MOS 2-INPUT NOR GATE

(SCALE 6/1)
—TOP VIEW—

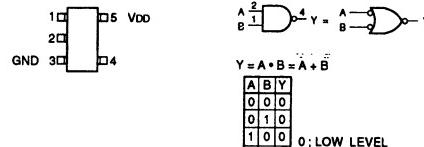


| TYPE | VDD |
|---------|------------|
| 4S01F | +3 to +18V |
| 7S02F | +3 to +18V |
| 7S02FU | +2 to +8V |
| 7SH02FU | +2 to +8V |

TC7S08F(TE85R) (TOSHIBA)CHIP PACKAGE
TC7S08FU(TE85R) (TOSHIBA)FLAT PACKAGE
TC7SH08FU-TE85R (TOSHIBA)CHIP PACKAGE

C-MOS 2-INPUT AND GATE

(SCALE 6/1)
—TOP VIEW—

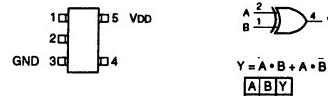


| TYPE | VDD |
|---------|-------------|
| 7S08F | +2 to +6V |
| 7S08FU | +2 to +6V |
| 4S81F | +3 to +18V |
| 14S81F | +3 to +18V |
| 7SH08FU | +2 to +5.5V |

TC7S86F(TE85R) (TOSHIBA)FLAT PACKAGE

C-MOS 2-INPUT EXCLUSIVE OR GATE

(SCALE 6/1)
—TOP VIEW—

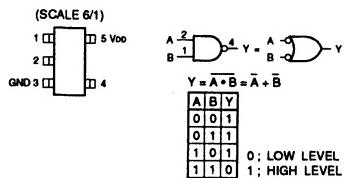


| TYPE | VDD |
|--------|------------|
| 7S86F | +2 to +6V |
| 7S86FU | +2 to +6V |
| 4S80F | +3 to +18V |

TC7SH00FU-TE85R (TOSHIBA)FLAT PACKAGE

C-MOS 2-INPUT NAND GATE

—TOP VIEW—



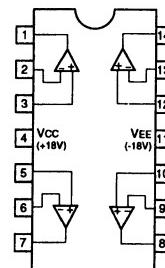
| TYPE | VDD |
|---------|--------------|
| 7500F | +2 to +6 V |
| 7500FU | +2 to +6 V |
| 4511F | +3 to +18 V |
| 45U11F | +3 to +18 V |
| 7SH00FU | +2 to +5.5 V |

TL064CPW-E05 (TI)FLAT PACKAGE

OPERATIONAL AMPLIFIER

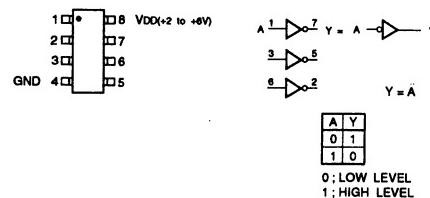
(J FET INPUT)

—TOP VIEW—



TC7W04FU(TE12R) (TOSHIBA)FLAT PACKAGE

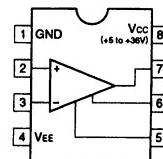
C-MOS HEX INVERTERS

(SCALE 3/1)
—TOP VIEW—

UPC311G2-E2 (NEC)FLAT PACKAGE

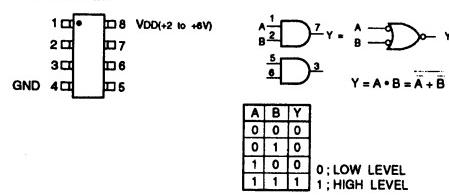
VOLTAGE COMPARATOR

—TOP VIEW—



TC7W08FU(TE12R) (TOSHIBA)CHIP PACKAGE

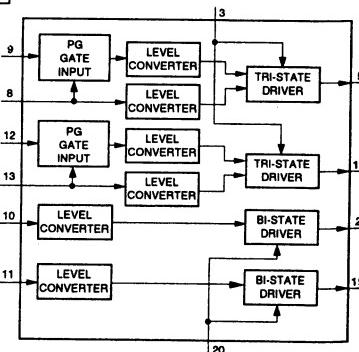
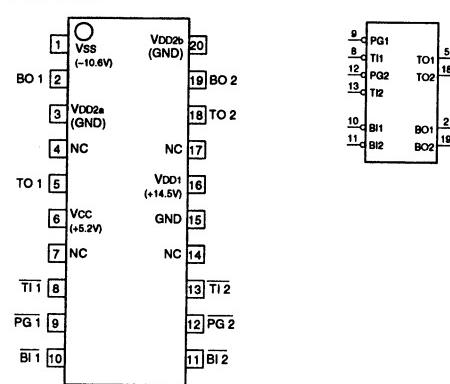
C-MOS 2-INPUT AND GATE

(SCALE 3/1)
—TOP VIEW—

UPD16502GS-E2 (NEC)FLAT PACKAGE

C-MOS CCD DRIVER

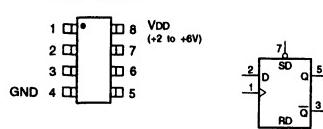
—TOP VIEW—



TC7W74FU(TE12R) (TOSHIBA)CHIP PACKAGE

C-MOS D-TYPE FLIP-FLOPS WITH DIRECT SET / RESET

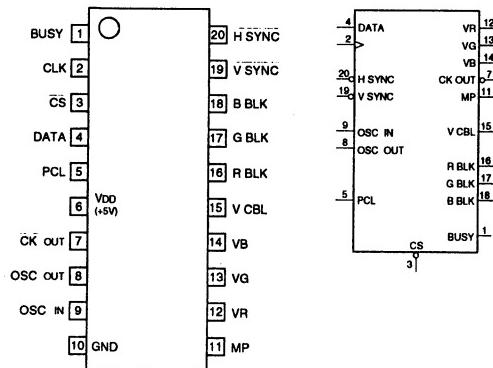
—TOP VIEW—

(SCALE 3/1)
—TOP VIEW—

| INPUTS | | OUTPUTS | | | |
|--------|----|---------|----|------|------|
| SD | RD | CK | D | Qn+1 | Qn+1 |
| 0 | 1 | X | X | 1 | 0 |
| 1 | 0 | X | X | 0 | 1 |
| 0 | 0 | X | X | 1 | 1 |
| 1 | 1 | X | 1 | 1 | 0 |
| 1 | 1 | X | 0 | 0 | 1 |
| 1 | 1 | X | Qn | Qn | Qn |

0; LOW LEVEL
1; HIGH LEVEL
X; DON'T CARE

UPD6453GT-610-E2 (NEC)FLAT PACKAGE

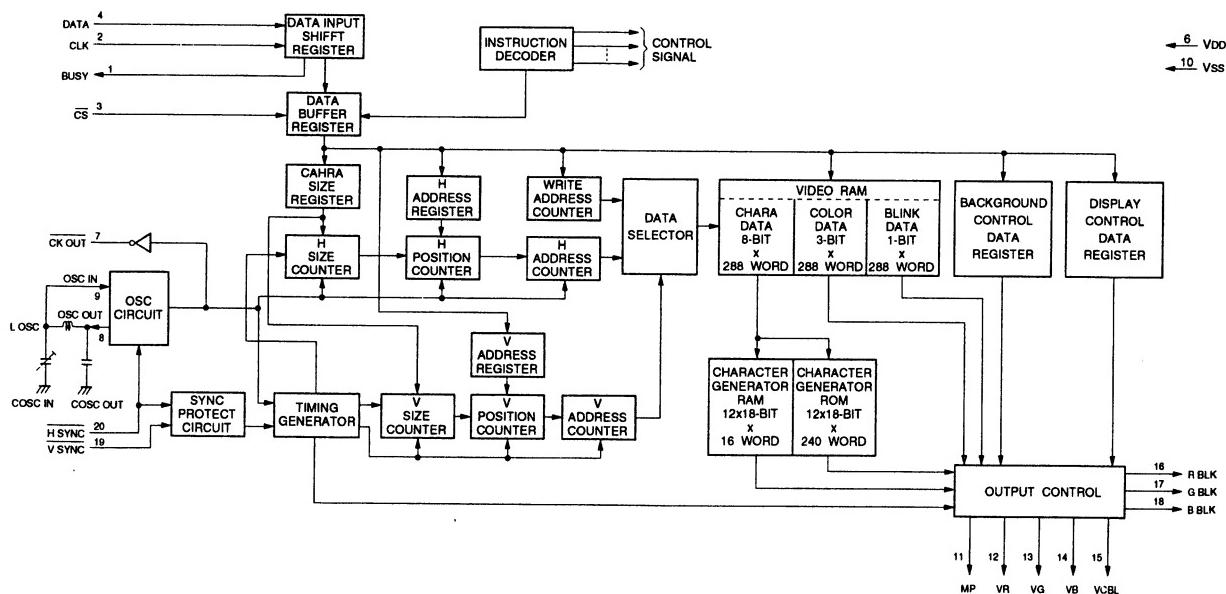
C-MOS ON-SCREEN CHARACTER DISPLAY
—TOP VIEW—

INPUT

CLK : CLOCK
 CS : CHIP SELECT
 DATA : SERIAL DATA
 H SYNC : HORIZONTAL SYNC
 OSC IN : OSCILLATOR IN
 PCL : POWER ON CLEAR
 V SYNC : VERTICAL SYNC

OUTPUT

BBK, RBLK, GRBK : B, R, G, BLANKING
 BUSY : BUSY OUT
 CK OUT : CLOCK
 MP : MASK PULSE
 OSC OUT : OSCILLATOR OUT
 VR, VG, VB : R, G, B, CHARACTER DATA
 VCBL : VIDEO CUT BLANKING



SECTION 7

SPARE PARTS

7-1. NOTES ON REPAIR PARTS

(1) Safety Related Components Warning

Components marked with Δ on the schematic diagrams, exploded views and electrical spare parts list are critical to safe operation.

Replace these components with Sony parts whose part numbers appear in this manual or in service bulletins and service manual supplements published by Sony.

(2) Standardization of Parts

Repair parts supplied from Sony Parts Center may not be always identical with the parts which actually in use due to "accommodating the improved parts and/or engineering changes" or "standardization of genuine parts".

This manual's exploded views and electrical spare parts list are indicating the part numbers of "the standardized genuine parts at present".

(3) Stock of Parts

Parts marked with "o" SP (Supply Code) column of the spare parts list are not normally required for routine service work. Orders for parts marked with "o" will be processed, but allow for additional delivery time.

(4) Units for Capacitors, Inductors and Resistors

The following units are assumed in schematic diagrams, electrical parts list and exploded views unless otherwise specified.

Capacitors : μF
Inductors : μH
Resistors : Ω

7-1. 補修用部品注意事項

(1) 安全重要部品

回路図、分解図、電気部品表中 Δ 印の部品は安全性を維持するために重要な部品です。従ってこれらの部品を交換するときには必ず指定の部品と交換して下さい。

(2) 部品の共通化

ソニーから供給される部品は、セットに実装されているものと異なることがあります。これは部品の共通化、改良等によるものです。
分解図や電気部品表には現時点での共通化された部品が記載されています。

(3) 部品の在庫

部品表のSP (Supply code) 欄にoで示される部品は交換頻度が低い部品ですので在庫していないことがあります、納期が長くなることがあります。

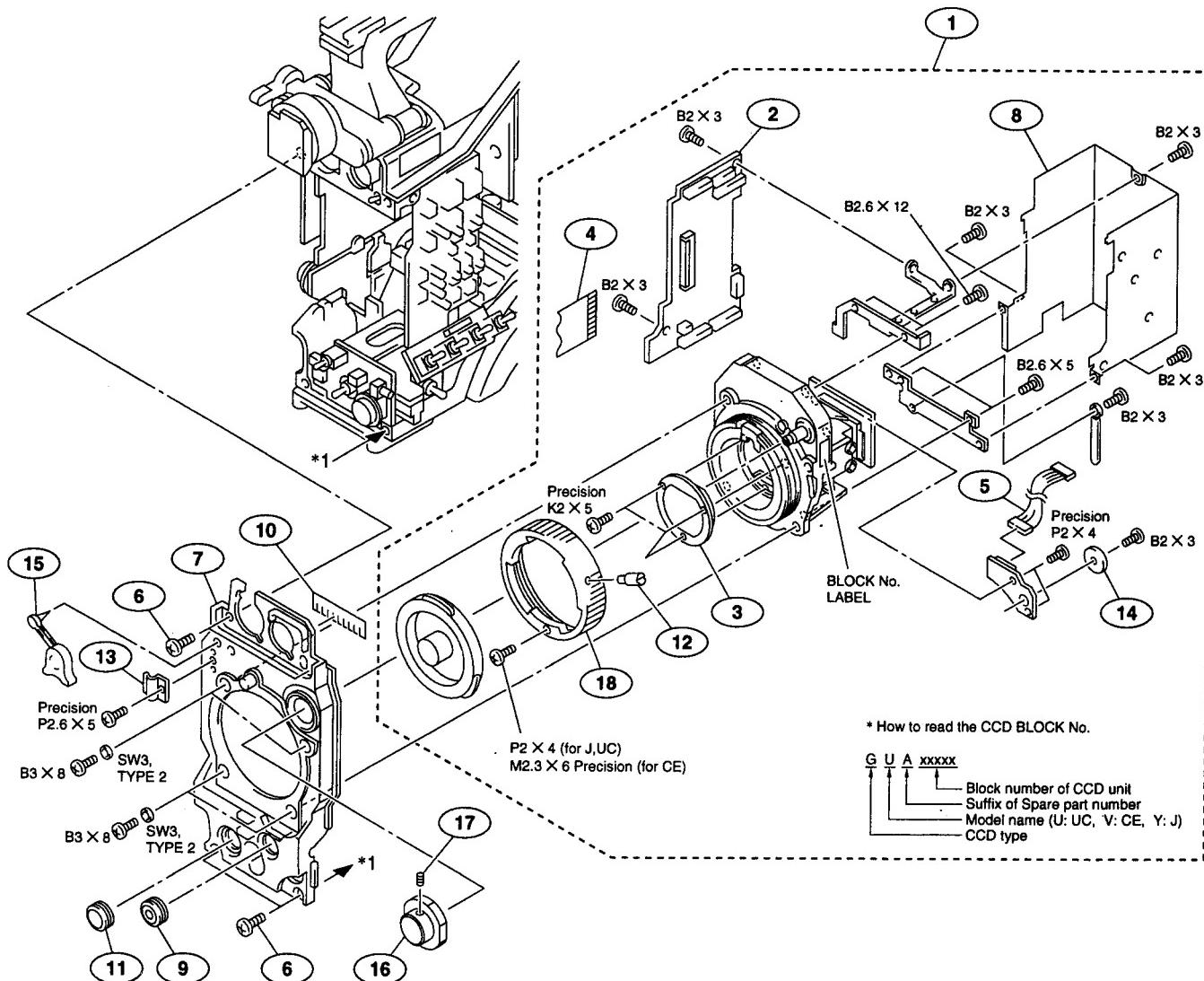
(4) コンデンサー、インダクター、抵抗の単位

回路図、分解図、電気部品表中、特に明記したもの除去、下記の単位は省略されています。

コンデンサー : μF
インダクター : μH
抵抗 : Ω

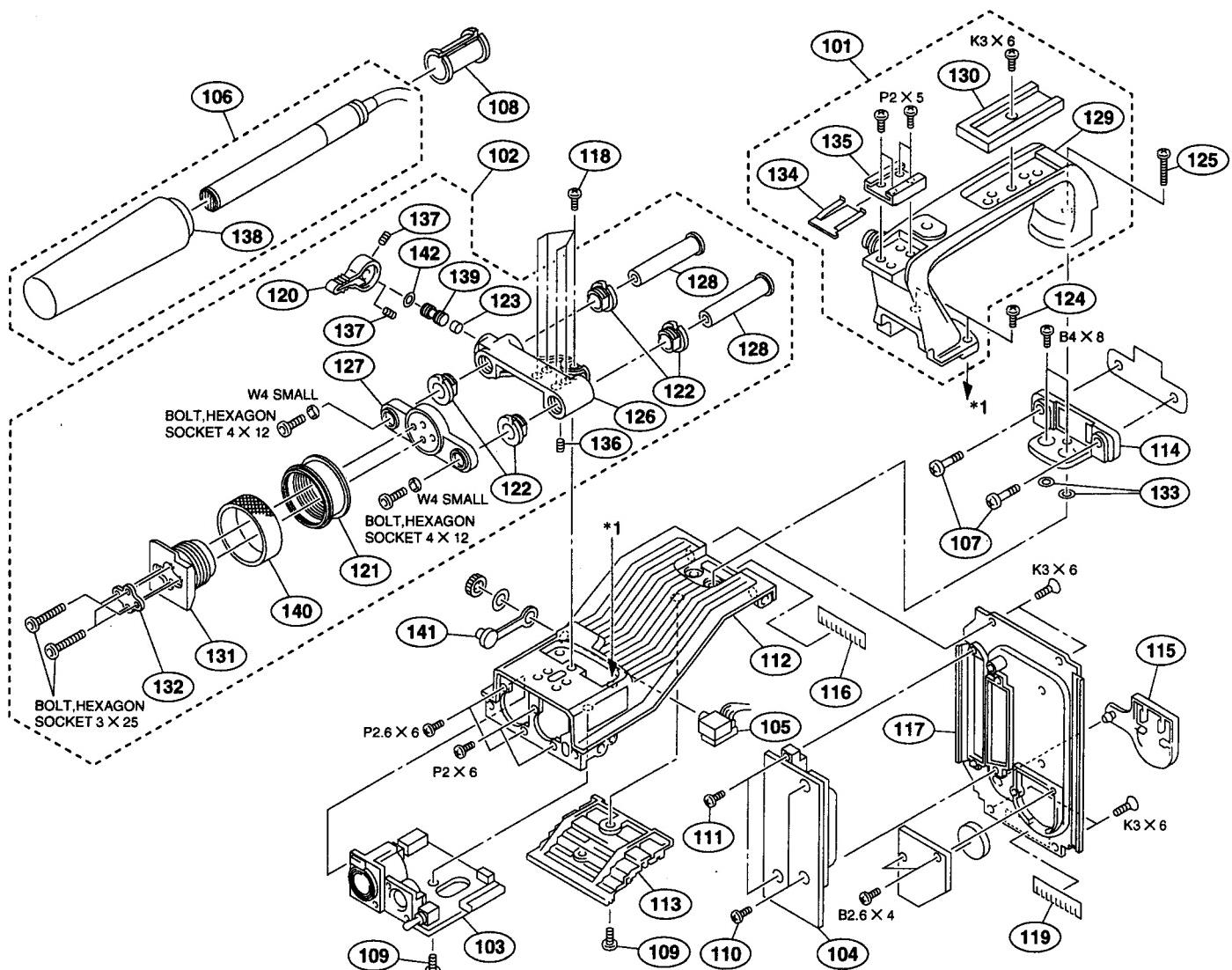
CCD BLOCK

7-2. EXPLODED VIEWS



| No. | Part No. | SP Description | No. | Part No. | SP Description |
|-----|--------------|--|-----|--------------|-------------------------------|
| 1 | A-8311-106-A | s CCD BLOCK ASSY (for UC) | 16 | 3-688-781-02 | s KNOB, FILTER |
| | A-8311-144-A | s CCD BLOCK ASSY (for CE) | 17 | 3-701-506-01 | s SET SCREW, DOUBLE POINT 3X4 |
| | A-8311-157-A | s CCD BLOCK ASSY (for J) | 18 | 3-708-987-01 | s RING, BAYONET (for J, UC) |
| 2 | A-8311-107-A | o MOUNTED CIRCUIT BOARD, TG-175 (For J, UC) | | 3-708-651-01 | s RING, BAYONET (for CE) |
| | A-8311-145-A | o MOUNTED CIRCUIT BOARD, TG-175(P) (For CE) | 3 | 1-547-985-11 | o FILTER UNIT, OPTICAL |
| 3 | 1-547-985-11 | o FILTER UNIT, OPTICAL | 4 | 7-621-770-87 | s SCREW +B 2.6X5 |
| 4 | 1-777-768-11 | s WIRE, FLAT TYPE (30 CORE) | 5 | 7-621-772-08 | s SCREW +B 2X3 |
| 5 | 1-956-512-11 | o HARNESS, SUB (FL) | | 7-621-775-68 | s SCREW +B 2.6X12 |
| 6 | 3-178-214-21 | s SCREW (M3X10), +B | | 7-627-556-58 | s SCREW +P 2.6X5 |
| 7 | 3-604-362-01 | o PANEL, FRONT | | 7-682-548-04 | s SCREW +B 3X8 |
| 8 | 3-604-384-01 | o CASE, SHIELD | 6 | 7-627-452-38 | s SCREW, PRECISION +K 2X5 |
| 9 | 3-604-391-01 | o COVER, SW(M) | 7 | 7-627-553-48 | s SCREW, PRECISION +P 2X4 |
| 10 | 3-604-394-01 | o FINGER, SHIELD(A) | 8 | 7-623-208-22 | s SPRING WASHER 3,TYPE 2 |
| 11 | 3-672-221-02 | s PACKING, CONTROL | | | |
| 12 | 3-678-629-00 | s LEVER, MOUNT | | | |
| 13 | 3-678-684-00 | o HOLDER, CABLE | | | |
| 14 | 3-686-191-01 | o PLATE, FILTER-ID | | | |
| 15 | 3-686-269-02 | s STOPPER, MOUNT | | | |

HANDLE BLOCK (1) AND MICROPHONE



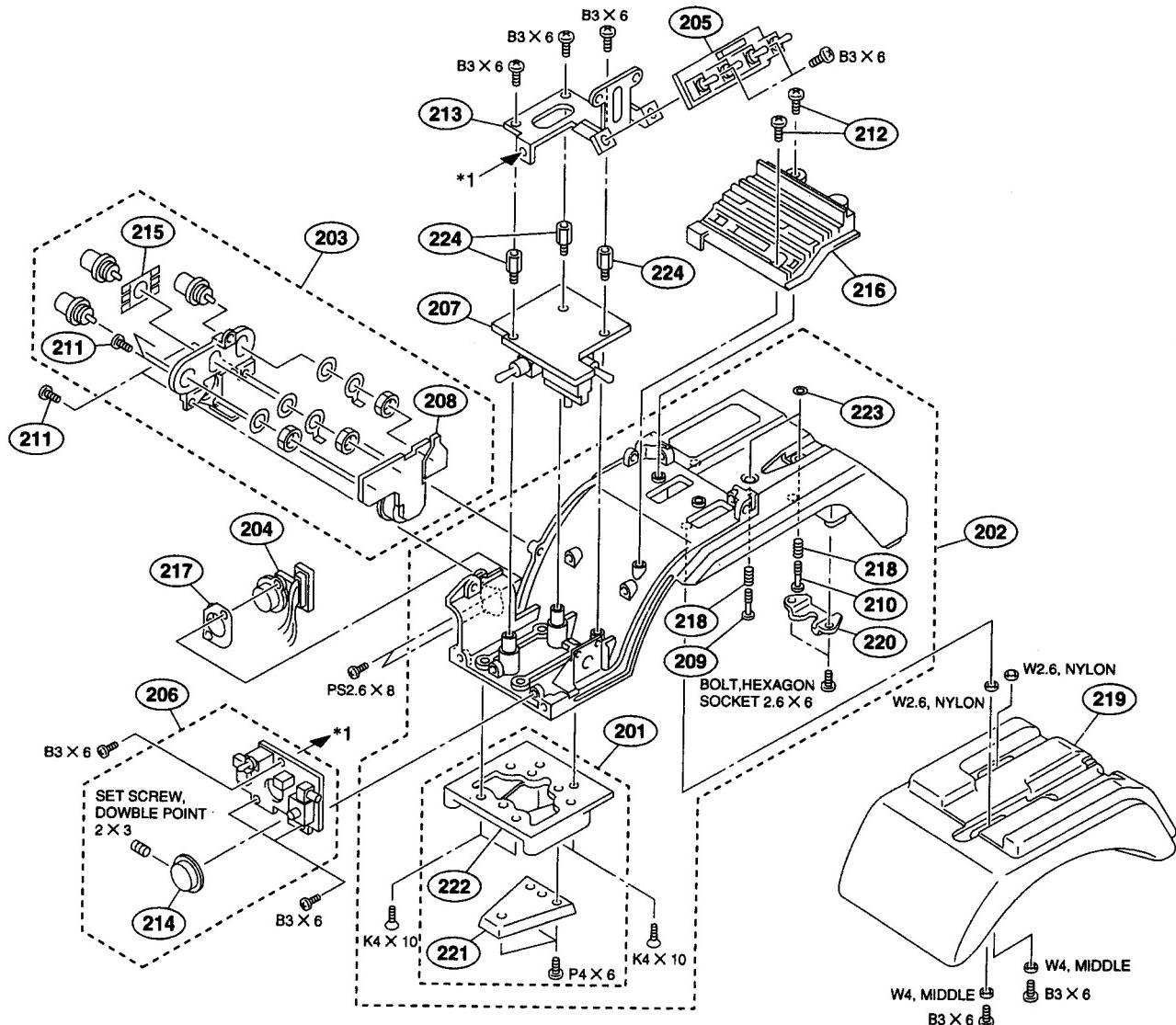
No. Part No. SP Description

| | | |
|-----|--------------|-------------------------------------|
| 101 | A-8278-380-A | s HANDLE ASSY |
| 102 | A-8278-420-A | o VF SLIDE ASSY(5) |
| 103 | A-8311-118-A | o MOUNTED CIRCUIT BOARD, CN-1195 |
| 104 | A-8311-134-A | o MOUNTED CIRCUIT BOARD, CN-1294 |
| 105 | A-8311-136-A | o MOUNTED CIRCUIT BOARD, CN-1349 |
| 106 | 1-542-296-11 | o MICROPONE |
| 107 | 3-175-715-02 | s SCREW, FITTING ADAPTOR |
| 108 | 3-179-882-01 | o SPACER, MICROPONE |
| 109 | 3-370-475-21 | s SCREW (NYLOCK +B 3X6) |
| 110 | 3-603-959-01 | s NYLOCK SCREW +B2.6 |
| 111 | 3-603-960-01 | s NYLOK SCREW +B2 |
| 112 | 3-604-363-02 | o CHASSIS, TOP |
| 113 | 3-604-370-01 | o PB RAIL, UPPER |
| 114 | 3-604-387-01 | o SPACER, HANDLE |
| 115 | 3-604-393-01 | s COVER, BATTERY |
| 116 | 3-604-394-01 | o FINGER, SHIELD(A) |
| 117 | 3-604-407-02 | o CHASSIS, REAR |
| 118 | 3-604-408-01 | s BOLT, HEXAGON SOCKET(NYLOCK 4X10) |
| 119 | 3-604-451-01 | o FINGER, SHIELD(C) |
| 120 | 3-673-046-00 | s LEVER, LOCK |
| 121 | 3-679-543-11 | o RING(D), LOCK |
| 122 | 3-679-684-01 | o REST, ARM |
| 123 | 3-679-702-01 | o CUSION, STOPPER |
| 124 | 3-685-694-01 | s NYLOCK +PSW M4X12 |
| 125 | 3-685-694-21 | s NYLOCK +PSW M4X18 |

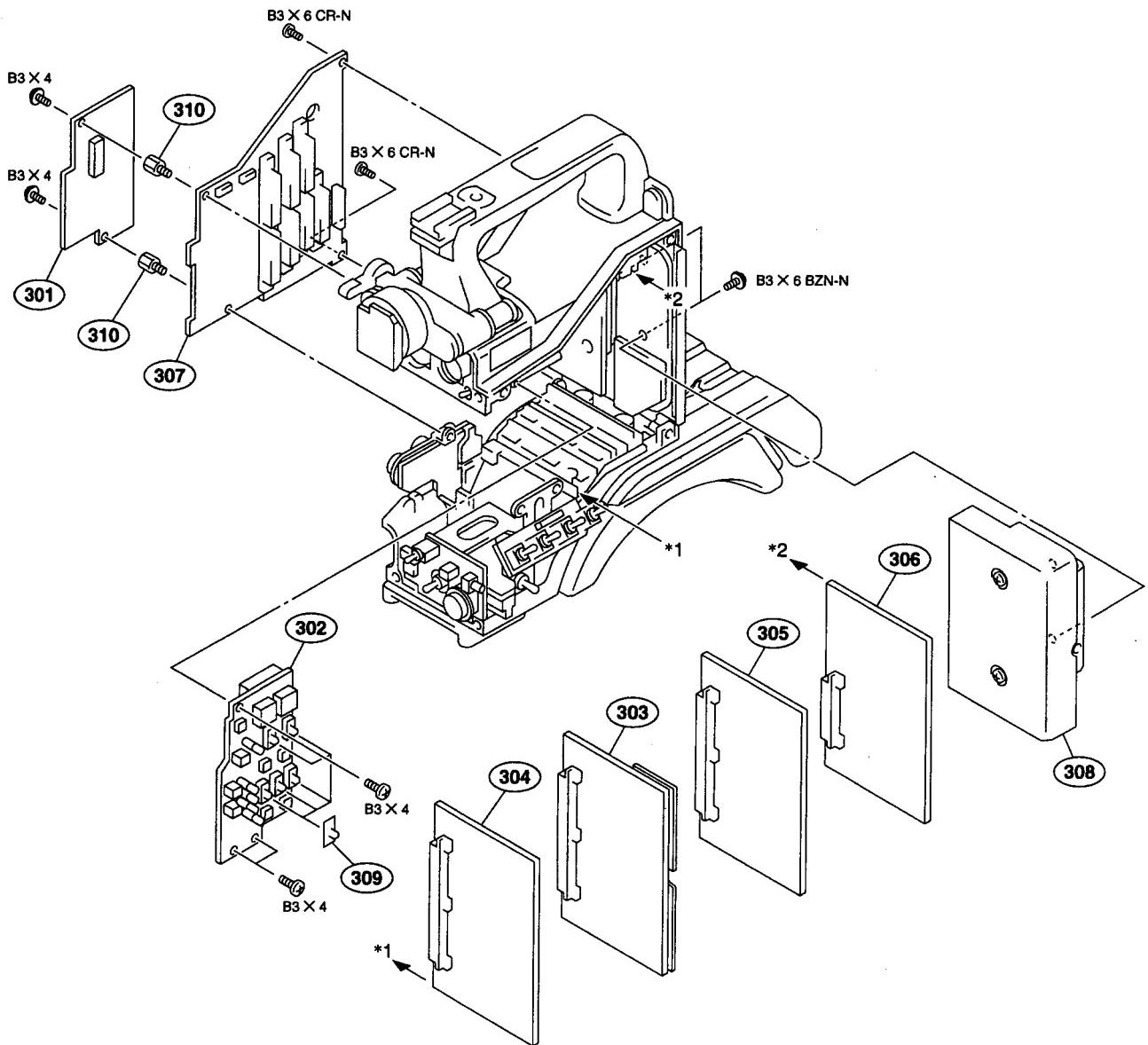
No. Part No. SP Description

| | | |
|-----|--------------|-------------------------------|
| 101 | 3-686-195-11 | o SLIDE BASE, VF |
| 102 | 3-686-196-02 | o RETAINER, VF SHOE |
| 103 | 3-686-197-01 | o ARM, SLIDE |
| 104 | 3-686-253-03 | o HANDLE |
| 105 | 3-686-254-01 | o PLATE, BLIND |
| 106 | 3-686-261-03 | s SHOE3, VF SLIDE |
| 107 | 3-687-070-01 | o WASHER, SHOE |
| 108 | 3-687-116-01 | o WASHER(4), STOPPER |
| 109 | 3-688-754-11 | s SPRING, SHOE |
| 110 | 3-688-755-11 | s SHOE, ACCESSORY |
| 111 | 3-701-506-01 | s SET SCREW, DOUBLE POINT 3X4 |
| 112 | 3-701-508-00 | s SET SCREW, DOUBLE POINT 3X6 |
| 113 | 3-709-096-01 | o SCREEN, WIND |
| 114 | 3-711-794-01 | o PIN, STOPPER |
| 115 | 3-720-919-01 | o RUBBER, LOCK RING |
| 116 | 3-849-405-00 | s COVER, EARPHONE JACK |
| 117 | 3-895-622-01 | s RING (DIA. 5), O |
| 118 | 7-621-255-35 | s SCREW +P 2X5 |
| 119 | 7-621-259-45 | s SCREW +P 2.6X6 |
| 120 | 7-621-772-38 | s SCREW +B 2X6 |
| 121 | 7-621-773-86 | s SCREW +B 2.6X4 |
| 122 | 7-682-247-09 | s SCREW +K 3X6 |
| 123 | 7-682-561-04 | s SCREW +B 4X8 |
| 124 | 7-683-411-04 | s BOLT, HEXAGON SOCKET 3X25 |
| 125 | 7-683-421-04 | o BOLT, HEXAGON SOCKET 4X12 |
| 126 | 7-688-003-02 | s WASHER 3, SMALL |
| 127 | 7-688-004-02 | o WASHER 4, SMALL |

CHASSIS BLOCK (2) AND BOARDS



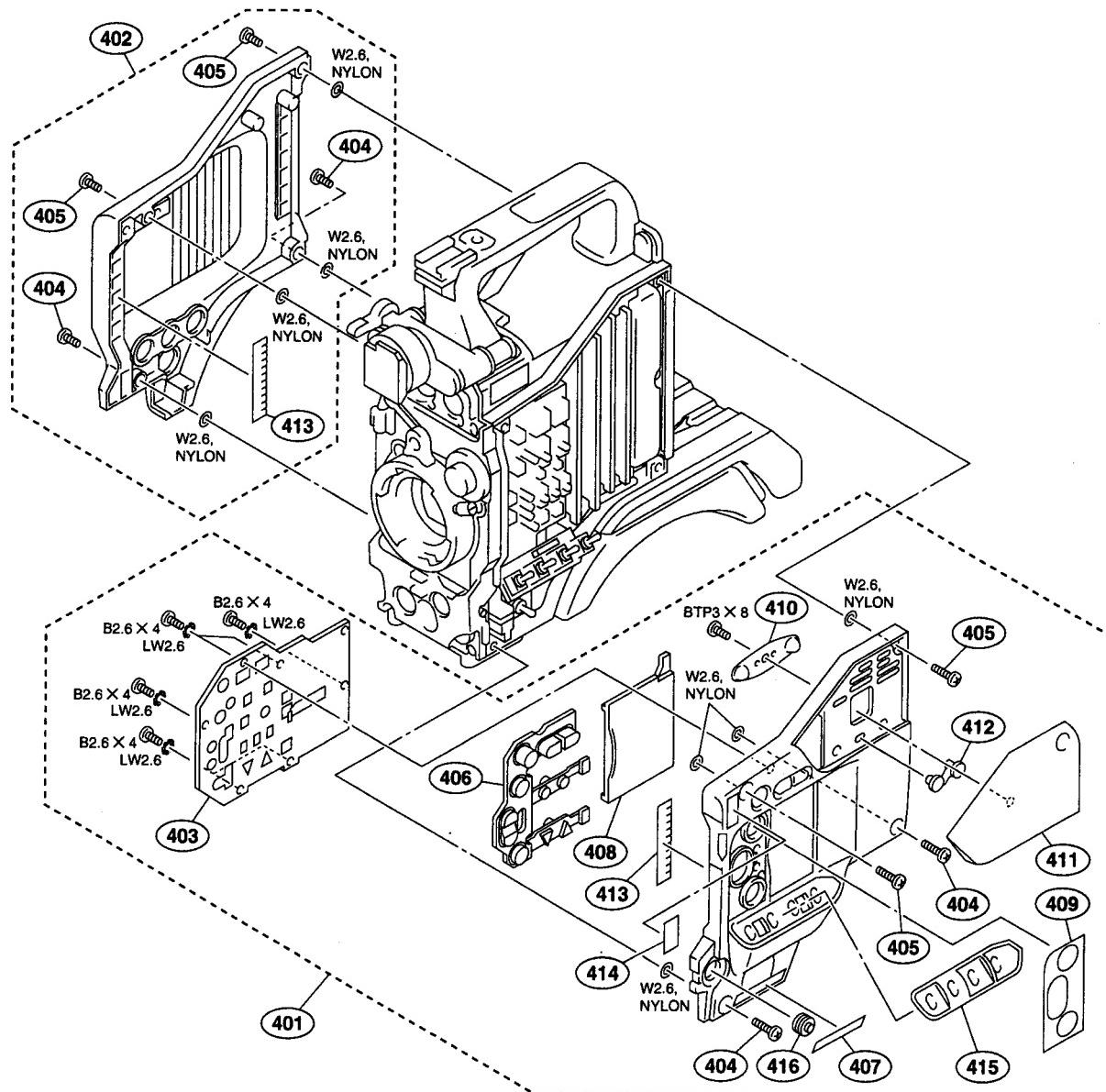
| No. | Part No. | SP Description | No. | Part No. | SP Description |
|-----|--------------|--|-----|--------------|------------------------------|
| 201 | A-7612-352-E | s V SHOE (A) ASSY | 216 | 3-604-437-01 | o PB RAIL, LOWER |
| 202 | A-8278-241-B | o BASE CHASSIS ASSY | 217 | 3-687-194-01 | o SPRING 2 |
| 203 | A-8311-101-A | o MOUNTED CIRCUIT BOARD, CN-1196 (For UC, CE) | 218 | 3-694-121-01 | s SPRING, COMPRESSION |
| | A-8311-155-A | o MOUNTED CIRCUIT BOARD, CN-1196J (For J) | 219 | 3-694-122-02 | s PAD, SHOULDER |
| 204 | A-8311-102-A | o MOUNTED CIRCUIT BOARD, CN-1194 | 220 | 3-711-703-01 | o STOPPER |
| 205 | A-8311-115-A | o MOUNTED CIRCUIT BOARD, SW-791 | 221 | 3-716-391-01 | o WEDGE, MOUNTING |
| 206 | A-8311-131-A | o MOUNTED CIRCUIT BOARD, SW-792 | 222 | 3-729-065-04 | s SHOE (A), CAMERA |
| 207 | A-8311-132-A | o MOUNTED CIRCUIT BOARD, SW-793 | 223 | 3-892-114-00 | s RING (DIA. 3), O |
| 208 | 1-663-030-11 | o PRINTED CIRCUIT BOARD, CN-1410 (For UC, CE) | 224 | 4-969-349-01 | o BOSS (H) |
| | 1-663-029-11 | o PRINTED CIRCUIT BOARD, CN-1409(J) (For J) | | 7-628-254-20 | s SCREW +PS 2.6X8 |
| 209 | 3-175-715-02 | s SCREW, FITTING ADAPTOR | | 7-682-160-09 | s SCREW +P 4X6 |
| 210 | 3-175-715-31 | s SCREW, FITTING ADAPTOR | | 7-682-262-09 | s SCREW +K 4X10 |
| 211 | 3-178-214-01 | s SCREW (M3X6), +B | | 7-682-547-04 | s SCREW +B 3X6 |
| 212 | 3-370-475-21 | s SCREW (NYLOCK +B 3X6) | | 7-621-732-09 | s SET-SCT HEXAGON 2X3 |
| 213 | 3-604-383-01 | o BRACKET, SW | | 7-683-412-05 | s BOLT, HEXAGON SOCKET 2.6X6 |
| 214 | 3-604-390-01 | s KNOB, VR | | 7-623-923-11 | s WASHER 2.6, NYLON |
| 215 | 3-604-416-01 | o FINGER, SHIELD(CN) | | 7-688-004-12 | s WASHER 4, MIDDLE |



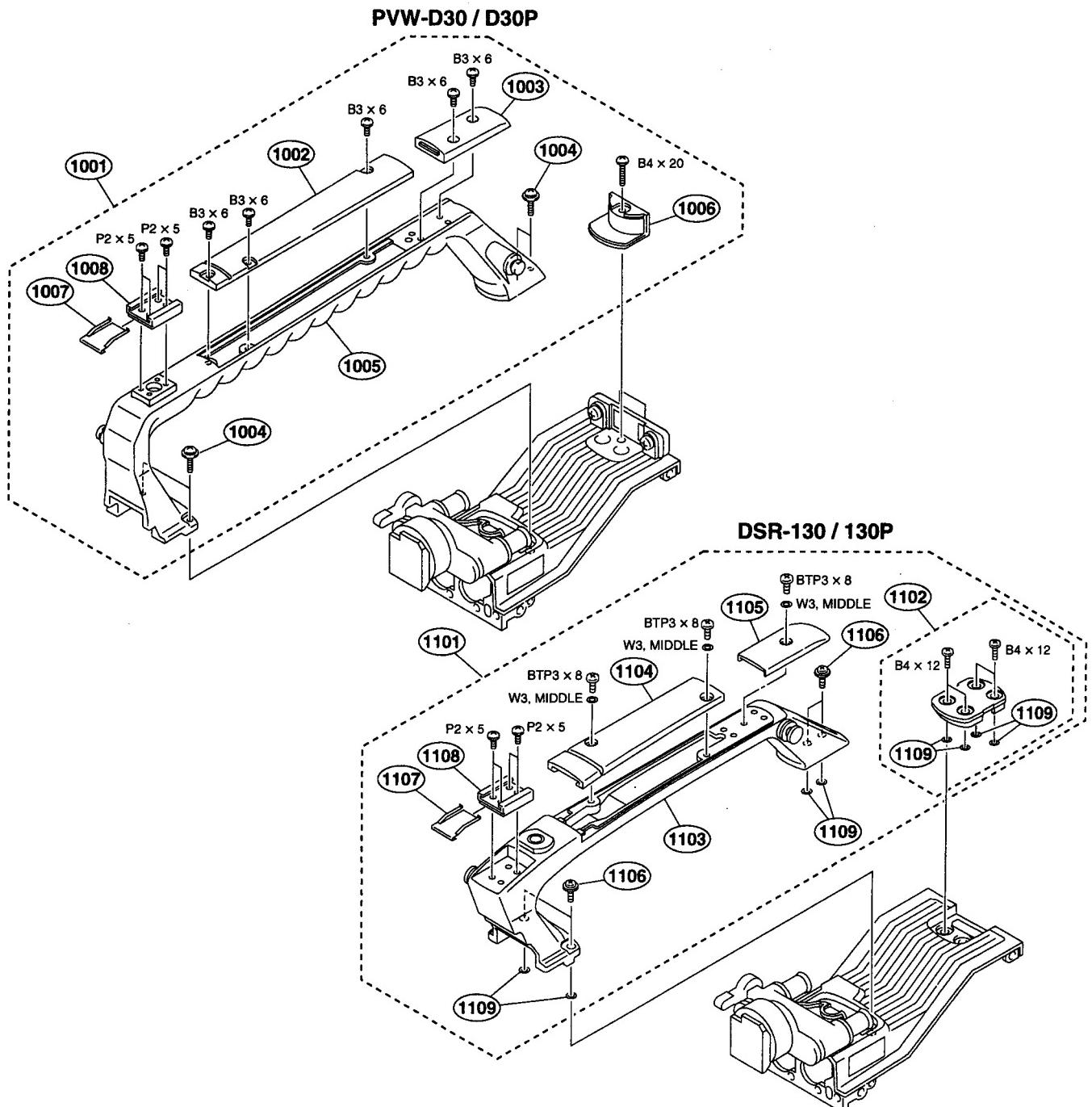
No. Part No. SP Description

| | | |
|-----|--------------|---|
| 301 | A-8311-116-A | o MOUNTED CIRCUIT BOARD, AT-110 |
| 302 | A-8311-119-A | o MOUNTED CIRCUIT BOARD, SW-790 |
| 303 | A-8311-121-A | o MOUNTED CIRCUIT BOARD, PR-216 |
| 304 | A-8311-123-A | o MOUNTED CIRCUIT BOARD, VA-169 |
| 305 | A-8311-125-A | o MOUNTED CIRCUIT BOARD, IF-532 |
| 306 | A-8311-127-A | o MOUNTED CIRCUIT BOARD, ES-12 (For J,UC) |
| | A-8311-141-A | o MOUNTED CIRCUIT BOARD, ES-12(P) (For CE) |
| 307 | A-8311-129-A | o MOUNTED CIRCUIT BOARD, MB-629 |
| 308 | 1-473-883-11 | s CONVERTER UNIT, DC-DC |
| 309 | 3-604-357-01 | o KNOB(L), SW |
| 310 | 4-969-349-01 | o BOSS (H) |
| | 7-682-545-04 | s SCREW +B 3X4 |
| | 7-682-547-04 | s SCREW +B 3X6 CR-N |
| | 7-682-547-09 | s SCREW +B 3X6 BZN-N |

CHASSIS BLOCK (2)



| No. | Part No. | SP Description | | Part No. | SP Description |
|-----|--------------|---------------------------------|--|--------------|----------------------------|
| 401 | A-8278-395-B | o RIGHT PANEL ASSY (For UC, CE) | | 7-621-773-86 | s SCREW +B 2.6X4 |
| | A-8278-398-B | o RIGHT PANEL ASSY(J) (For J) | | 7-685-546-19 | s SCREW +BTP 3X8 TYPE2 N-S |
| 402 | A-8278-396-B | o LEFT PANEL ASSY | | 7-623-307-01 | s LW 2.6, TYPE (A) |
| 403 | X-3678-738-1 | o PLATE ASSY | | 7-623-923-11 | s WASHER 2.6, NYLON |
| 404 | 3-178-214-21 | s SCREW (M3X10), +B | | | |
| 405 | 3-178-214-41 | s SCREW (M3X14), +B | | | |
| 406 | 3-604-366-02 | s COVER, SWITCH | | | |
| 407 | 3-604-371-01 | o LABEL, POWER | | | |
| 408 | 3-604-380-03 | s DOOR, SIDE | | | |
| 409 | 3-604-382-01 | o PLATE, ATW-SW | | | |
| 410 | 3-604-385-02 | s SPRING, PAD | | | |
| 411 | 3-604-386-01 | s PAD, SIDE | | | |
| 412 | 3-604-392-01 | s STOPPER | | | |
| 413 | 3-604-395-01 | o FINGER, SHIELD(B) | | | |
| 414 | 3-604-403-01 | o LABEL, FILTER (For UC, CE) | | | |
| | 3-604-404-01 | o LABEL, FILTER (For J) | | | |
| 415 | 3-604-692-01 | o PLATE, TOGGLE | | | |
| 416 | 3-676-244-00 | s COVER, SWITCH | | | |



PVW-D30

| No. | Part No. | SP Description |
|------|--------------|----------------------------------|
| 1001 | A-8311-272-A | s HANDLE ASSY (for PVW-D30/D30P) |
| 1002 | 3-679-035-01 | o LID, HANDLE |
| 1003 | 3-679-036-01 | o LID, HANDLE(2) |
| 1004 | 3-685-694-01 | s NYLOCK +PSW M4 |
| 1005 | 3-686-381-04 | o HANDLE, (PVW) |
| 1006 | 3-686-382-01 | s PLATE, BLIND |
| 1007 | 3-688-754-11 | o SPRING, SHOE |
| 1008 | 3-688-755-12 | o SHOE, ACCESSORY |

DSR-130

| No. | Part No. | SP Description |
|------|--------------|----------------------------------|
| 1101 | A-8311-936-A | s HANDLE ASSY (for DSR-130/130P) |
| 1102 | A-8278-419-A | s JOINT PLATE ASSY |
| 1103 | 3-604-743-01 | o HANDLE(DSR) |
| 1104 | 3-604-744-01 | o LID, HANDLE(1) |
| 1105 | 3-604-745-01 | o LID, HANDLE(2) |
| 1106 | 3-604-746-01 | s NYLOCK +PWH 4X12 |
| 1107 | 3-688-754-11 | o SPRING, SHOE |
| 1108 | 3-688-755-12 | o SHOE, ACCESSORY |
| 1109 | 3-687-116-01 | o WASHER, 4 STOPPER |
| | 7-621-255-35 | s SCREW, +P 2X5 |
| | 7-682-547-09 | s SCREW, +B 3X6 |
| | 7-682-563-09 | s SCREW, +B 4X12 |
| | 7-682-566-09 | s SCREW, +B 4X20 |
| | 7-685-546-19 | s SCREW, +BTP 3X8 |
| | 7-688-003-12 | s WASHER, 3 MIDDLE |

7-3. ELECTRICAL PARTS LIST

AT-110 BOARD

| Ref. No. or Q'ty | Part No. | SP Description |
|---------------------|--------------|---------------------------------|
| 1pc | A-8311-116-A | o MOUNTED CIRCUIT BOARD, AT-110 |
| C101 | 1-162-970-11 | s CERAMIC, CHIP 0.01uF 10% 25V |
| C102 | 1-113-642-11 | s TANTALUM 47uF 20% 10V |
| C103 | 1-113-642-11 | s TANTALUM 47uF 20% 10V |
| C104 | 1-162-970-11 | s CERAMIC, CHIP 0.01uF 10% 25V |
| C105 | 1-162-964-11 | s CERAMIC 0.001uF 10% 50V |
| C106 | 1-162-919-11 | s CERAMIC, CHIP 22PF 5% 50V |
| C107 | 1-162-919-11 | s CERAMIC, CHIP 22PF 5% 50V |
| C109 | 1-107-689-21 | s TANTALUM 1uF 20% 35V |
| C110 | 1-162-970-11 | s CERAMIC, CHIP 0.01uF 10% 25V |
| C111 | 1-113-682-11 | s TANTALUM CHIP 33uF 20% 10V |
| C112 | 1-113-642-11 | s TANTALUM 47uF 20% 10V |
| C113 | 1-113-642-11 | s TANTALUM 47uF 20% 10V |
| C114 | 1-113-682-11 | s TANTALUM CHIP 33uF 20% 10V |
| C115 | 1-113-682-11 | s TANTALUM CHIP 33uF 20% 10V |
| C116 | 1-162-970-11 | s CERAMIC, CHIP 0.01uF 10% 25V |
| C117 | 1-162-970-11 | s CERAMIC, CHIP 0.01uF 10% 25V |
| C118 | 1-164-156-11 | s CERAMIC 0.1uF 25V |
| C119 | 1-164-156-11 | s CERAMIC 0.1uF 25V |
| C120 | 1-164-156-11 | s CERAMIC 0.1uF 25V |
| C121 | 1-162-927-11 | s CERAMIC, CHIP 100PF 5% 50V |
| C122 | 1-164-156-11 | s CERAMIC 0.1uF 25V |
| C123 | 1-113-682-11 | s TANTALUM CHIP 33uF 20% 10V |
| C124 | 1-162-970-11 | s CERAMIC, CHIP 0.01uF 10% 25V |
| C125 | 1-162-970-11 | s CERAMIC, CHIP 0.01uF 10% 25V |
| C126 | 1-162-970-11 | s CERAMIC, CHIP 0.01uF 10% 25V |
| C127 | 1-162-964-11 | s CERAMIC 0.001uF 10% 50V |
| C128 | 1-162-964-11 | s CERAMIC 0.001uF 10% 50V |
| C129 | 1-113-682-11 | s TANTALUM CHIP 33uF 20% 10V |
| C130 | 1-113-682-11 | s TANTALUM CHIP 33uF 20% 10V |
| C131 | 1-113-642-11 | s TANTALUM 47uF 20% 10V |
| C132 | 1-162-964-11 | s CERAMIC 0.001uF 10% 50V |
| CN101 | 1-770-451-21 | o CONNECTOR, BOARD TO BOARD 70P |
| CNI102 | 1-251-496-21 | o SOCKET, IC |
| D101 | 8-719-421-69 | s DIODE MA133 |
| D102 | 8-719-975-40 | s DIODE RB411D |
| D103 | 8-719-421-69 | s DIODE MA133 |
| IC101 | 8-759-421-83 | s IC HD6437034SC81F |
| IC102 | 8-759-441-72 | s IC MSM27C822-DXCD30V100 |
| IC103 | 8-752-371-38 | s IC CXK58257BTM-70LL-T6 |
| IC104 | 8-752-371-38 | s IC CXK58257BTM-70LL-T6 |
| IC106 | 8-759-940-45 | s IC S-8054HN-CB |
| IC109 | 8-759-182-95 | s IC HD151015T |
| IC110 | 8-759-196-96 | s IC TC7SH08FU-TE85R |
| IC111 | 8-759-082-57 | s IC TC7W04FU |
| IC112 | 8-759-252-59 | s IC MAX202CSE |
| IC113 | 8-759-082-61 | s IC TC4W53FU |
| IC114 | 8-759-082-61 | s IC TC4W53FU |
| L101 | 1-412-955-11 | s INDUCTOR 22uH |
| L102 | 1-412-943-11 | s INDUCTOR 2.2uH |
| L104 | 1-412-955-11 | s INDUCTOR 22uH |
| L105 | 1-412-955-11 | s INDUCTOR 22uH |

(AT-110 BOARD)

| Ref. No. or Q'ty | Part No. | SP Description |
|---------------------|--------------|--------------------------------|
| Q101 | 8-729-402-19 | s TRANSISTOR XN6501 |
| Q102 | 8-729-402-19 | s TRANSISTOR XN6501 |
| R110 | 1-218-692-11 | s METAL, CHIP 1K 0.50% 1/16W |
| R111 | 1-218-668-11 | s METAL 100 0.50% 1/16W |
| R112 | 1-216-845-11 | s METAL, CHIP 100K 5% 1/16W |
| R113 | 1-216-845-11 | s METAL, CHIP 100K 5% 1/16W |
| R114 | 1-216-845-11 | s METAL, CHIP 100K 5% 1/16W |
| R115 | 1-216-845-11 | s METAL, CHIP 100K 5% 1/16W |
| R116 | 1-216-864-11 | s METAL, CHIP 0 5% 1/16W |
| R118 | 1-216-845-11 | s METAL, CHIP 100K 5% 1/16W |
| R121 | 1-218-740-11 | s METAL 100K 0.50% 1/16W |
| R122 | 1-216-864-11 | s METAL, CHIP 0 5% 1/16W |
| R125 | 1-216-845-11 | s METAL, CHIP 100K 5% 1/16W |
| R126 | 1-216-845-11 | s METAL, CHIP 100K 5% 1/16W |
| R131 | 1-216-845-11 | s METAL, CHIP 100K 5% 1/16W |
| R132 | 1-216-845-11 | s METAL, CHIP 100K 5% 1/16W |
| R134 | 1-216-845-11 | s METAL, CHIP 100K 5% 1/16W |
| R135 | 1-216-845-11 | s METAL, CHIP 100K 5% 1/16W |
| R136 | 1-216-845-11 | s METAL, CHIP 100K 5% 1/16W |
| R137 | 1-216-797-11 | s METAL, CHIP 10 5% 1/16W |
| R138 | 1-216-797-11 | s METAL, CHIP 10 5% 1/16W |
| R139 | 1-216-809-11 | s METAL, CHIP 100 5% 1/16W |
| R140 | 1-216-809-11 | s METAL, CHIP 100 5% 1/16W |
| R141 | 1-216-833-11 | s METAL, CHIP 10K 5% 1/16W |
| R142 | 1-216-821-11 | s METAL, CHIP 1K 5% 1/16W |
| R143 | 1-216-845-11 | s METAL, CHIP 100K 5% 1/16W |
| R144 | 1-216-833-11 | s METAL, CHIP 10K 5% 1/16W |
| R145 | 1-216-833-11 | s METAL, CHIP 10K 5% 1/16W |
| R146 | 1-216-833-11 | s METAL, CHIP 10K 5% 1/16W |
| R147 | 1-216-821-11 | s METAL, CHIP 1K 5% 1/16W |
| R148 | 1-216-833-11 | s METAL, CHIP 10K 5% 1/16W |
| R149 | 1-216-833-11 | s METAL, CHIP 10K 5% 1/16W |
| R150 | 1-216-833-11 | s METAL, CHIP 10K 5% 1/16W |
| R151 | 1-216-821-11 | s METAL, CHIP 1K 5% 1/16W |
| R152 | 1-216-845-11 | s METAL, CHIP 100K 5% 1/16W |
| R153 | 1-218-692-11 | s METAL, CHIP 1K 0.50% 1/16W |
| R154 | 1-218-668-11 | s METAL 100 0.50% 1/16W |
| R163 | 1-216-845-11 | s METAL, CHIP 100K 5% 1/16W |
| R164 | 1-216-845-11 | s METAL, CHIP 100K 5% 1/16W |
| R166 | 1-216-845-11 | s METAL, CHIP 100K 5% 1/16W |
| RB101 | 1-239-309-11 | s RESISTOR BLOCK, CHIP 100K |
| RB102 | 1-239-426-11 | s RESISTOR BLOCK, CHIP 2.2KX4 |
| RB103 | 1-239-412-11 | s RESISTOR BLOCK, CHIP 100 |
| RB104 | 1-239-428-11 | s NETWORK RESISTOR (CHIP) 3.3K |
| RB105 | 1-239-309-11 | s RESISTOR BLOCK, CHIP 100K |
| RB106 | 1-239-309-11 | s RESISTOR BLOCK, CHIP 100K |
| RB107 | 1-236-904-11 | s RESISTOR, BLOCK CHIP 1K |
| RB108 | 1-236-907-11 | s RESISTOR BLOCK, CHIP 100KX4 |
| X1 | 1-760-273-11 | s VIBRATOR, CRYSTAL |

BP-30 BOARD

| Ref. No. or Q'ty | Part No. | SP Description |
|---------------------|----------------|------------------------------|
| 1pc | 1-565-977-11 s | CONTACT, FEMALE AWG 28-32 |
| 1pc | 1-569-679-11 o | CONTACT, FEMALE |
| 1pc | 1-569-680-11 o | HOUSING, CONNECTOR 2P |
| 1pc | 1-663-024-11 o | PRINTED CIRCUIT BOARD, BP-30 |
| BT701 | 1-550-414-31 s | HOLDER, BATTERY |

CN-1194 BOARD

| Ref. No. or Q'ty | Part No. | SP Description |
|---------------------|----------------|-------------------------------|
| 1pc | A-8311-102-A o | OUNTED CIRCUIT BOARD, CN-1194 |
| 1pc | 1-565-977-11 s | CONTACT, FEMALE AWG 28-32 |
| 1pc | 1-569-679-11 o | CONTACT, FEMALE |
| C401 | 1-164-232-11 s | CERAMIC, CHIP 0.01uF 10% 50V |
| C402 | 1-164-232-11 s | CERAMIC, CHIP 0.01uF 10% 50V |
| C403 | 1-164-232-11 s | CERAMIC, CHIP 0.01uF 10% 50V |
| C404 | 1-164-232-11 s | CERAMIC, CHIP 0.01uF 10% 50V |
| C405 | 1-164-232-11 s | CERAMIC, CHIP 0.01uF 10% 50V |
| C406 | 1-164-232-11 s | CERAMIC, CHIP 0.01uF 10% 50V |
| C407 | 1-164-232-11 s | CERAMIC, CHIP 0.01uF 10% 50V |
| C408 | 1-164-232-11 s | CERAMIC, CHIP 0.01uF 10% 50V |
| C409 | 1-164-232-11 s | CERAMIC, CHIP 0.01uF 10% 50V |
| C410 | 1-164-232-11 s | CERAMIC, CHIP 0.01uF 10% 50V |
| CN401 | 1-562-221-31 s | RECEPTACLE, CONNECTOR 12P |
| W401 | 1-956-517-11 o | HARNESS, SUB (CN1194) |

CN-1195 BOARD

| Ref. No. or Q'ty | Part No. | SP Description |
|---------------------|----------------|-------------------------------|
| 1pc | A-8311-118-A o | OUNTED CIRCUIT BOARD, CN-1195 |
| C501 | 1-163-133-00 s | CERAMIC, CHIP 470PF 5% 50V |
| C502 | 1-163-133-00 s | CERAMIC, CHIP 470PF 5% 50V |
| C503 | 1-126-219-11 s | ELECT 3.3uF 20% 63V |
| C504 | 1-164-232-11 s | CERAMIC, CHIP 0.01uF 10% 50V |
| C505 | 1-126-219-11 s | ELECT 3.3uF 20% 63V |
| C506 | 1-126-219-11 s | ELECT 3.3uF 20% 63V |
| C507 | 1-164-232-11 s | CERAMIC, CHIP 0.01uF 10% 50V |
| C508 | 1-164-232-11 s | CERAMIC, CHIP 0.01uF 10% 50V |
| C509 | 1-163-243-11 s | CERAMIC, CHIP 47PF 5% 50V |
| C510 | 1-163-243-11 s | CERAMIC, CHIP 47PF 5% 50V |
| C513 | 1-164-232-11 s | CERAMIC, CHIP 0.01uF 10% 50V |
| C514 | 1-164-232-11 s | CERAMIC, CHIP 0.01uF 10% 50V |
| C515 | 1-164-232-11 s | CERAMIC, CHIP 0.01uF 10% 50V |
| C516 | 1-164-232-11 s | CERAMIC, CHIP 0.01uF 10% 50V |
| C517 | 1-164-232-11 s | CERAMIC, CHIP 0.01uF 10% 50V |
| C518 | 1-164-232-11 s | CERAMIC, CHIP 0.01uF 10% 50V |
| C519 | 1-104-851-11 s | TANTALUM, CHIP 10uF 20% 10V |
| C520 | 1-164-232-11 s | CERAMIC, CHIP 0.01uF 10% 50V |
| C521 | 1-163-275-11 s | CERAMIC 0.001uF 5% 50V |
| C529 | 1-128-528-11 s | ELECT 470uF 20% 25V |
| C530 | 1-107-877-11 s | ELECT 1000uF 20% 10V |
| C531 | 1-164-232-11 s | CERAMIC, CHIP 0.01uF 10% 50V |
| C532 | 1-164-232-11 s | CERAMIC, CHIP 0.01uF 10% 50V |
| CN501 | 1-565-249-11 o | OCKET, 20P |
| CN502 | 1-568-006-11 s | CONNECTOR, XLR 3P, FEMALE |
| CN503 | 1-506-491-11 s | CONNECTOR, 12P, MALE |
| CN506 | 1-691-550-11 s | PIN, CONNECTOR 3P |
| D501 | 8-719-800-76 s | DIODE 1SS226 |
| D502 | 8-719-800-76 s | DIODE 1SS226 |
| FB502 | 1-412-978-21 s | DUCTOR 0.82uH |
| FB503 | 1-412-978-21 s | DUCTOR 0.82uH |
| FB504 | 1-412-978-21 s | DUCTOR 0.82uH |
| FB505 | 1-414-135-11 s | DUCTOR CHIP 0uH |
| FB506 | 1-414-135-11 s | DUCTOR CHIP 0uH |
| FB507 | 1-414-445-11 s | DUCTOR CHIP 0uH |
| FB508 | 1-414-135-11 s | DUCTOR CHIP 0uH |
| FL501 | 1-239-077-11 s | FILTER, EMI |
| IC501 | 8-759-700-09 s | IC NJM2043M-D |
| IC502 | 8-759-049-58 s | IC SN74HC04APW-E05 |
| IC503 | 8-759-050-94 s | IC SN74HC165APW-E05 |
| IC504 | 8-759-234-20 s | IC TC7S08F |
| L503 | 1-412-955-11 s | DUCTOR 22uH |
| Q501 | 8-729-120-28 s | TRANSISTOR 2SC1623-L5L6 |
| Q502 | 8-729-120-28 s | TRANSISTOR 2SC1623-L5L6 |
| Q503 | 8-729-216-22 s | TRANSISTOR 2SA1162 |
| R501 | 1-216-069-00 s | METAL, CHIP 6.8K 5% 1/10W |
| R502 | 1-216-069-00 s | METAL, CHIP 6.8K 5% 1/10W |
| R503 | 1-216-081-00 s | METAL, CHIP 22K 5% 1/10W |
| R504 | 1-208-806-11 s | METAL, CHIP 10K 0.50% 1/10W |
| R505 | 1-208-806-11 s | METAL, CHIP 10K 0.50% 1/10W |
| R506 | 1-216-655-11 s | METAL, CHIP 1.5K 0.5% 1/10W |
| R507 | 1-216-699-11 s | METAL, CHIP 100K 0.5% 1/10W |
| R508 | 1-216-699-11 s | METAL, CHIP 100K 0.5% 1/10W |
| R509 | 1-216-295-91 s | METAL, CHIP 0 5% 1/10W |

(CN-1195 BOARD)

Ref. No.
or Q'ty Part No. SP Description

R510 1-216-295-91 s METAL, CHIP 0 5% 1/10W
R513 1-216-041-00 s METAL, CHIP 470 5% 1/10W
R514 1-216-041-00 s METAL, CHIP 470 5% 1/10W
R515 1-216-041-00 s METAL, CHIP 470 5% 1/10W
R516 1-216-699-11 s METAL, CHIP 100K 0.5% 1/10W

R517 1-216-699-11 s METAL, CHIP 100K 0.5% 1/10W
R518 1-216-073-00 s METAL, CHIP 10K 5% 1/10W
R520 1-216-699-11 s METAL, CHIP 100K 0.5% 1/10W
R521 1-216-699-11 s METAL, CHIP 100K 0.5% 1/10W
R522 1-208-806-11 s METAL, CHIP 10K 0.50% 1/10W

R523 1-208-806-11 s METAL, CHIP 10K 0.50% 1/10W
R524 1-208-806-11 s METAL, CHIP 10K 0.50% 1/10W
R525 1-216-699-11 s METAL, CHIP 100K 0.5% 1/10W
R526 1-216-073-00 s METAL, CHIP 10K 5% 1/10W
R527 1-216-097-91 s METAL 100K 5% 1/10W

R528 1-216-097-91 s METAL 100K 5% 1/10W
R530 1-216-688-11 s METAL, CHIP 36K 0.5% 1/10W
R531 1-216-688-11 s METAL, CHIP 36K 0.5% 1/10W
R532 1-216-041-00 s METAL, CHIP 470 5% 1/10W
R533 1-216-041-00 s METAL, CHIP 470 5% 1/10W

R534 1-216-025-91 s METAL 100 5% 1/10W
R536 1-216-097-91 s METAL 100K 5% 1/10W
R537 1-216-097-91 s METAL 100K 5% 1/10W
R538 1-216-097-91 s METAL 100K 5% 1/10W
R539 1-216-097-91 s METAL 100K 5% 1/10W

R540 1-216-295-91 s METAL, CHIP 0 5% 1/10W
R541 1-216-295-91 s METAL, CHIP 0 5% 1/10W
R542 1-208-806-11 s METAL, CHIP 10K 0.50% 1/10W

S501 1-762-827-11 s SWITCH, TOGGLE

CN-1196 BOARD

Ref. No.
or Q'ty Part No. SP Description

1pc A-8311-101-A o MOUNTED CIRCUIT BOARD, CN-1196
* CN-1410 BOARD is included. [for UC, CE]
1pc A-8311-155-A o MOUNTED CIRCUIT BOARD, CN-1196J
* CN-1409(J) BOARD is included. [For J]
3pcs 1-565-977-11 s CONTACT, FEMALE AWG 28-32

1pc 1-565-978-11 o HOUSING, 6P
3pcs 1-569-679-11 o CONTACT, FEMALE
1pc 1-569-680-11 o HOUSING, CONNECTOR 2P
1pc 3-604-416-01 o SHIELD FINGER(CN)
2pcs 7-621-770-87 s SCREW +B 2.6X5

C602 1-163-251-11 s CERAMIC, CHIP 100PF 5% 50V
C603 1-163-251-11 s CERAMIC, CHIP 100PF 5% 50V
C604 1-163-251-11 s CERAMIC, CHIP 100PF 5% 50V
C605 1-163-251-11 s CERAMIC, CHIP 100PF 5% 50V
C606 1-164-232-11 s CERAMIC, CHIP 0.01uF 10% 50V

C608 1-163-243-11 s CERAMIC, CHIP 47PF 5% 50V
C609 1-163-243-11 s CERAMIC, CHIP 47PF 5% 50V
C610 1-163-243-11 s CERAMIC, CHIP 47PF 5% 50V
C611 1-163-243-11 s CERAMIC, CHIP 47PF 5% 50V

CN601 1-565-443-11 o CONNECTOR, 10P FEMALE
CN602 1-562-382-31 s CONNECTOR, BNC
CN603 1-561-320-41 s DIN SOCKET 8P

FB601 1-414-445-11 s INDUCTOR CHIP 0uH
FB602 1-414-445-11 s INDUCTOR CHIP 0uH
FB603 1-414-445-11 s INDUCTOR CHIP 0uH
FB604 1-414-445-11 s INDUCTOR CHIP 0uH
FB605 1-414-445-11 s INDUCTOR CHIP 0uH

FB606 1-414-445-11 s INDUCTOR CHIP 0uH
FB607 1-414-445-11 s INDUCTOR CHIP 0uH
FB608 1-414-445-11 s INDUCTOR CHIP 0uH
FB609 1-414-445-11 s INDUCTOR CHIP 0uH

FL601 1-239-077-11 s FILTER, EMI

R601 1-216-295-91 s METAL, CHIP 0 5% 1/10W

W601 1-956-528-11 o HARNESS, SUB (CN1196-1)
W602 1-956-519-11 o HARNESS, SUB (CN1196-2)
W603 1-956-526-11 o HARNESS, SUB (LCD)

CN-1294 BOARD

| Ref. No. or Q'ty | Part No. | SP Description |
|---------------------|----------------|-------------------------------|
| 1pc | A-8311-134-A o | OUNTED CIRCUIT BOARD, CN-1294 |
| C801 | 1-163-038-91 s | CERAMIC 0.1uF 25V |
| C802 | 1-163-038-91 s | CERAMIC 0.1uF 25V |
| C803 | 1-110-569-11 s | TANTALUM 47uF 20% 6.3V |
| C804 | 1-163-038-91 s | CERAMIC 0.1uF 25V |
| C805 | 1-163-038-91 s | CERAMIC 0.1uF 25V |
| C806 | 1-163-038-91 s | CERAMIC 0.1uF 25V |
| CN801 | 1-778-658-11 o | CONNECTOR, BOARD TO BOARD |
| CN802 | 1-573-120-11 s | CONNECTOR, MULTI 50P |
| CN803 | 1-778-659-11 o | PIN, CONNECTOR 3P |
| CN804 | 1-580-055-21 s | PIN, CONNECTOR 2P |
| FB801 | 1-543-775-11 s | FILTER, EMI |
| FL801 | 1-236-164-11 s | ENCAPSULATED COMPONENT |
| IC801 | 8-759-196-93 s | IC TC7SH00FU-TE85R |
| IC802 | 8-759-080-06 s | IC TC74VHC574FS(EL) |
| IC803 | 8-759-080-06 s | IC TC74VHC574FS(EL) |
| L801 | 1-412-963-11 s | INDUCTOR 100uH |
| R801 | 1-216-805-11 s | METAL, CHIP 47 5% 1/16W |
| R802 | 1-216-833-11 s | METAL, CHIP 10K 5% 1/16W |
| RB801 | 1-239-409-11 s | NETWORK, RESISTOR (CHIP TYPE) |
| RB802 | 1-239-409-11 s | NETWORK, RESISTOR (CHIP TYPE) |
| RB803 | 1-239-409-11 s | NETWORK, RESISTOR (CHIP TYPE) |
| RB804 | 1-239-306-11 s | RESISTOR BLOCK, CHIP 10KX8 |
| RB805 | 1-239-306-11 s | RESISTOR BLOCK, CHIP 10KX8 |

CN-1349 BOARD

| Ref. No. or Q'ty | Part No. | SP Description |
|---------------------|----------------|-------------------------------|
| 1pc | A-8311-136-A o | OUNTED CIRCUIT BOARD, CN-1349 |
| 1pc | 1-500-032-11 s | BEAD, FERRITE |
| 1pc | 1-565-977-11 s | CONTACT, FEMALE AWG 28-32 |
| 1pc | 1-569-618-11 o | HOUSING, CONNECTOR 3P |
| 1pc | 1-569-679-11 o | CONTACT, FEMALE |
| C801 | 1-163-009-11 s | CERAMIC, CHIP 0.001uF 10% 50V |
| C802 | 1-163-009-11 s | CERAMIC, CHIP 0.001uF 10% 50V |
| CN801 | 1-507-980-41 s | JACK |
| W801 | 1-956-518-11 o | HARNESS, SUB (REMOTE) |

CN-1409(J) BOARD :For J

| Ref. No. or Q'ty | Part No. | SP Description |
|---------------------|----------------|--|
| 1pc | 1-663-029-11 o | PRINTED CIRCUIT BOARD, CN-1409(J) [for J] |

CN604 1-507-858-31 s JACK, PIN 1P

CN-1410 BOARD :For UC,CE

| Ref. No. or Q'ty | Part No. | SP Description |
|---------------------|----------------|--|
| 1pc | 1-663-030-11 o | PRINTED CIRCUIT BOARD, CN-1410 [for UC, CE] |

CN604 1-562-382-31 s CONNECTOR, BNC

DUS-28 BOARD :For J,UC

| Ref. No. or Q'ty | Part No. | SP Description |
|---------------------|----------------|--------------------|
| C1 | 1-164-156-11 s | CERAMIC 0.1uF 25V |
| IC1 | 8-759-926-24 s | IC SN74HC164ANS |
| IC2 | 8-759-195-02 s | IC TC7S86F-TE85L |
| IC3 | 8-759-058-54 s | IC TC7S00FU(TE85R) |
| IC4 | 8-759-196-97 s | IC TC7SH32FU-TE85R |
| IC5 | 8-759-196-93 s | IC TC7SH00FU-TE85R |
| IC6 | 8-759-058-62 s | IC TC7S08FU(TE85R) |

DUS-29 BOARD :For CE

| Ref. No. or Q'ty | Part No. | SP Description |
|---------------------|----------------|------------------------|
| C1 | 1-164-156-11 s | CERAMIC 0.1uF 25V |
| IC1 | 8-759-926-24 s | IC SN74HC164ANS |
| IC2 | 8-759-195-81 s | IC TC7S86FU |
| IC3 | 8-759-058-57 s | IC TC7S04FU-TE85L |
| IC4 | 8-759-196-97 s | IC TC7SH32FU-TE85R |
| IC5 | 8-759-196-93 s | IC TC7SH00FU-TE85R |
| IC6 | 8-759-049-60 s | IC SN74HC08APW-E05 |
| R2 | 1-216-864-11 s | METAL, CHIP 0 5% 1/16W |
| R3 | 1-216-864-11 s | METAL, CHIP 0 5% 1/16W |
| R4 | 1-218-732-11 s | METAL 47K 0.50% 1/16W |

ES-12/12(P) BOARD

(ES-12/12(P) BOARD)

| Ref. No. or Q'ty | Part No. | SP Description | Ref. No. or Q'ty | Part No. | SP Description |
|---------------------|----------------|---|---------------------|----------------|------------------------------------|
| 1pc | A-8311-127-A | o MOUNTED CIRCUIT BOARD, ES-12 [for J, UC] | C554 | 1-162-910-11 s | CERAMIC 5PF 0.25PF 50V |
| 1pc | A-8311-141-A | o MOUNTED CIRCUIT BOARD, ES-12(P) [for CE] | C555 | 1-104-851-11 s | TANTALUM, CHIP 10uF 20% 10V |
| 2pcs | 3-729-061-01 s | SCREW (M2X4.5) (TYPE 1) | C556 | 1-162-917-11 s | CERAMIC, CHIP 15PF 5% 50V |
| | | | C557 | 1-162-970-11 s | CERAMIC, CHIP 0.01uF 10% 25V |
| | | | C558 | 1-104-914-11 s | TANTALUM 22uF 20% 16V |
| C501 | 1-113-682-11 s | TANTALUM CHIP 33uF 20% 10V | C559 | 1-164-156-11 s | CERAMIC 0.1uF 25V |
| C502 | 1-113-682-11 s | TANTALUM CHIP 33uF 20% 10V | C560 | 1-164-156-11 s | CERAMIC 0.1uF 25V |
| C503 | 1-104-851-11 s | TANTALUM, CHIP 10uF 20% 10V | C561 | 1-104-851-11 s | TANTALUM, CHIP 10uF 20% 10V |
| C504 | 1-104-851-11 s | TANTALUM, CHIP 10uF 20% 10V | C562 | 1-107-689-21 s | TANTALUM 1uF 20% 35V |
| C505 | 1-115-154-21 s | ELECT 10uF 20% 16V | C563 | 1-162-970-11 s | CERAMIC, CHIP 0.01uF 10% 25V |
| C506 | 1-115-154-21 s | ELECT 10uF 20% 16V | C564 | 1-162-970-11 s | CERAMIC, CHIP 0.01uF 10% 25V |
| C507 | 1-162-927-11 s | CERAMIC, CHIP 100PF 5% 50V | C565 | 1-126-395-11 s | ELECT, CHIP 22uF 20% 16V |
| C508 | 1-104-851-11 s | TANTALUM, CHIP 10uF 20% 10V | C566 | 1-126-395-11 s | ELECT, CHIP 22uF 20% 16V |
| C509 | 1-162-917-11 s | CERAMIC, CHIP 15PF 5% 50V | C567 | 1-104-851-11 s | TANTALUM, CHIP 10uF 20% 10V |
| C510 | 1-104-851-11 s | TANTALUM, CHIP 10uF 20% 10V | C568 | 1-162-970-11 s | CERAMIC, CHIP 0.01uF 10% 25V |
| C512 | 1-104-851-11 s | TANTALUM, CHIP 10uF 20% 10V | C569 | 1-164-156-11 s | CERAMIC 0.1uF 25V |
| C513 | 1-162-927-11 s | CERAMIC, CHIP 100PF 5% 50V | C570 | 1-104-851-11 s | TANTALUM, CHIP 10uF 20% 10V |
| | | [for CE] | C571 | 1-164-156-11 s | CERAMIC 0.1uF 25V |
| C514 | 1-162-927-11 s | CERAMIC, CHIP 100PF 5% 50V | C573 | 1-164-156-11 s | CERAMIC 0.1uF 25V |
| C515 | 1-135-149-21 s | TANTALUM, CHIP 2.2uF 10% 10V | C576 | 1-162-923-11 s | CERAMIC, CHIP 47PF 5% 50V |
| C516 | 1-164-156-11 s | CERAMIC 0.1uF 25V | C577 | 1-162-919-11 s | CERAMIC, CHIP 22PF 5% 50V |
| C517 | 1-164-156-11 s | CERAMIC 0.1uF 25V | | | [for J, UC] |
| C518 | 1-135-177-21 s | TANTALUM, CHIP 1uF 10% 25V | C577 | 1-162-923-11 s | CERAMIC, CHIP 47PF 5% 50V [for CE] |
| C520 | 1-104-851-11 s | TANTALUM, CHIP 10uF 20% 10V | C578 | 1-162-923-11 s | CERAMIC, CHIP 47PF 5% 50V [for CE] |
| C521 | 1-104-851-11 s | TANTALUM, CHIP 10uF 20% 10V | C579 | 1-162-923-11 s | CERAMIC, CHIP 47PF 5% 50V |
| C522 | 1-104-851-11 s | TANTALUM, CHIP 10uF 20% 10V | C580 | 1-164-156-11 s | CERAMIC 0.1uF 25V |
| C523 | 1-104-851-11 s | TANTALUM, CHIP 10uF 20% 10V | C581 | 1-164-156-11 s | CERAMIC 0.1uF 25V |
| C524 | 1-104-913-11 s | TANTALUM, CHIP 10uF 20% 16V | C582 | 1-162-917-11 s | CERAMIC, CHIP 15PF 5% 50V |
| C525 | 1-164-156-11 s | CERAMIC 0.1uF 25V | C583 | 1-104-851-11 s | TANTALUM, CHIP 10uF 20% 10V |
| C526 | 1-115-154-21 s | ELECT 10uF 20% 16V | C584 | 1-113-981-11 s | TANTALUM 22uF 20% 20V |
| C527 | 1-126-393-11 s | ELECT 33uF 20% 10V | C585 | 1-162-970-11 s | CERAMIC, CHIP 0.01uF 10% 25V |
| C528 | 1-162-925-11 s | CERAMIC, CHIP 68PF 5% 50V | C586 | 1-164-156-11 s | CERAMIC 0.1uF 25V |
| | | [for J, UC] | C587 | 1-104-913-11 s | TANTALUM, CHIP 10uF 20% 16V |
| C528 | 1-162-921-11 s | CERAMIC, CHIP 33PF 5% 50V [for CE] | C588 | 1-164-156-11 s | CERAMIC 0.1uF 25V |
| C529 | 1-135-145-11 s | TANTALUM, CHIP 0.47uF 10% 35V | C589 | 1-162-919-11 s | CERAMIC, CHIP 22PF 5% 50V |
| C530 | 1-162-922-11 s | CERAMIC, CHIP 39PF 5% 50V | C590 | 1-164-156-11 s | CERAMIC 0.1uF 25V |
| C531 | 1-164-156-11 s | CERAMIC 0.1uF 25V | C591 | 1-164-156-11 s | CERAMIC 0.1uF 25V |
| C532 | 1-164-156-11 s | CERAMIC 0.1uF 25V | C592 | 1-104-913-11 s | TANTALUM, CHIP 10uF 20% 16V |
| C533 | 1-135-210-11 s | TANTALUM 4.7uF 10% 10V | C593 | 1-162-919-11 s | CERAMIC, CHIP 22PF 5% 50V |
| C534 | 1-162-970-11 s | CERAMIC, CHIP 0.01uF 10% 25V | C594 | 1-164-156-11 s | CERAMIC 0.1uF 25V |
| C535 | 1-164-156-11 s | CERAMIC 0.1uF 25V | C595 | 1-164-363-11 s | CERAMIC 560PF 5% 50V |
| C536 | 1-164-156-11 s | CERAMIC 0.1uF 25V | C596 | 1-104-913-11 s | TANTALUM, CHIP 10uF 20% 16V |
| C537 | 1-126-395-11 s | ELECT, CHIP 22uF 20% 16V | C597 | 1-164-156-11 s | CERAMIC 0.1uF 25V |
| C538 | 1-164-156-11 s | CERAMIC 0.1uF 25V | C598 | 1-164-156-11 s | CERAMIC 0.1uF 25V |
| C539 | 1-135-210-11 s | TANTALUM 4.7uF 10% 10V | C599 | 1-164-156-11 s | CERAMIC 0.1uF 25V |
| C540 | 1-126-391-11 s | ELECT, CHIP 47uF 20% 6.3V | C600 | 1-164-156-11 s | CERAMIC 0.1uF 25V |
| C541 | 1-104-852-11 s | TANTALUM, CHIP 22uF 20% 10V | C601 | 1-162-919-11 s | CERAMIC, CHIP 22PF 5% 50V |
| C542 | 1-164-156-11 s | CERAMIC 0.1uF 25V | | | [for J, UC] |
| C543 | 1-104-851-11 s | TANTALUM, CHIP 10uF 20% 10V | C601 | 1-162-918-11 s | CERAMIC, CHIP 18PF 5% 50V [for CE] |
| C544 | 1-164-156-11 s | CERAMIC 0.1uF 25V | C602 | 1-162-970-11 s | CERAMIC, CHIP 0.01uF 10% 25V |
| C545 | 1-162-907-11 s | CERAMIC, CHIP 2PF 50V | C603 | 1-164-156-11 s | CERAMIC 0.1uF 25V |
| C546 | 1-164-156-11 s | CERAMIC 0.1uF 25V | C604 | 1-164-156-11 s | CERAMIC 0.1uF 25V |
| C547 | 1-104-913-11 s | TANTALUM, CHIP 10uF 20% 16V | C605 | 1-164-156-11 s | CERAMIC 0.1uF 25V |
| C548 | 1-126-393-11 s | ELECT 33uF 20% 10V | C606 | 1-164-156-11 s | CERAMIC 0.1uF 25V |
| C549 | 1-162-909-11 s | CERAMIC 4PF 0.25PF 50V | C607 | 1-164-156-11 s | CERAMIC 0.1uF 25V |
| C550 | 1-104-851-11 s | TANTALUM, CHIP 10uF 20% 10V | C608 | 1-104-851-11 s | TANTALUM, CHIP 10uF 20% 10V |
| C551 | 1-162-970-11 s | CERAMIC, CHIP 0.01uF 10% 25V | C609 | 1-104-823-11 s | TANTALUM, CHIP 47uF 20% 16V |
| C552 | 1-162-909-11 s | CERAMIC 4PF 0.25PF 50V | C610 | 1-164-156-11 s | CERAMIC 0.1uF 25V |
| C553 | 1-126-391-11 s | ELECT, CHIP 47uF 20% 6.3V | C611 | 1-164-156-11 s | CERAMIC 0.1uF 25V |

(ES-12/12(P) BOARD)

| Ref. No. or Q'ty | Part No. | SP Description |
|---------------------|----------------|-------------------------------------|
| C612 | 1-104-851-11 s | TANTALUM, CHIP 10uF 20% 10V |
| C613 | 1-104-851-11 s | TANTALUM, CHIP 10uF 20% 10V |
| C614 | 1-104-823-11 s | TANTALUM, CHIP 47uF 20% 16V |
| C615 | 1-104-823-11 s | TANTALUM, CHIP 47uF 20% 16V |
| C616 | 1-164-156-11 s | CERAMIC 0.1uF 25V |
| C617 | 1-164-156-11 s | CERAMIC 0.1uF 25V |
| C618 | 1-162-921-11 s | CERAMIC, CHIP 33PF 5% 50V |
| C619 | 1-164-156-11 s | CERAMIC 0.1uF 25V |
| C620 | 1-162-921-11 s | CERAMIC, CHIP 33PF 5% 50V |
| C621 | 1-104-851-11 s | TANTALUM, CHIP 10uF 20% 10V |
| C622 | 1-104-851-11 s | TANTALUM, CHIP 10uF 20% 10V |
| C623 | 1-162-921-11 s | CERAMIC, CHIP 33PF 5% 50V |
| C624 | 1-162-921-11 s | CERAMIC, CHIP 33PF 5% 50V |
| C626 | 1-135-145-11 s | TANTALUM, CHIP 0.47uF 10% 35V |
| C627 | 1-104-851-11 s | TANTALUM, CHIP 10uF 20% 10V |
| C628 | 1-162-921-11 s | CERAMIC, CHIP 33PF 5% 50V |
| C629 | 1-162-921-11 s | CERAMIC, CHIP 33PF 5% 50V |
| C630 | 1-162-927-11 s | CERAMIC, CHIP 100PF 5% 50V |
| C631 | 1-135-145-11 s | TANTALUM, CHIP 0.47uF 10% 35V |
| C632 | 1-104-851-11 s | TANTALUM, CHIP 10uF 20% 10V |
| C633 | 1-126-393-11 s | ELECT 33uF 20% 10V |
| C634 | 1-164-156-11 s | CERAMIC 0.1uF 25V |
| C635 | 1-164-156-11 s | CERAMIC 0.1uF 25V |
| C636 | 1-126-391-11 s | ELECT, CHIP 47uF 20% 6.3V |
| C637 | 1-104-913-11 s | TANTALUM, CHIP 10uF 20% 16V |
| | | [for CE] |
| C638 | 1-162-970-11 s | CERAMIC, CHIP 0.01uF 10% 25V |
| C639 | 1-162-970-11 s | CERAMIC, CHIP 0.01uF 10% 25V |
| C641 | 1-104-913-11 s | TANTALUM, CHIP 10uF 20% 16V |
| C642 | 1-164-156-11 s | CERAMIC 0.1uF 25V |
| C643 | 1-126-393-11 s | ELECT 33uF 20% 10V |
| C644 | 1-162-909-11 s | CERAMIC 4PF 0.25PF 50V |
| C645 | 1-104-851-11 s | TANTALUM, CHIP 10uF 20% 10V |
| C646 | 1-162-927-11 s | CERAMIC, CHIP 100PF 5% 50V |
| C647 | 1-162-924-11 s | CERAMIC 56PF 5% 50V [for J, UC] |
| C647 | 1-162-927-11 s | CERAMIC, CHIP 100PF 5% 50V |
| | | [for CE] |
| C648 | 1-162-923-11 s | CERAMIC, CHIP 47PF 5% 50V |
| CN501 | 1-695-453-11 s | CONNECTOR, BOARD TO BOARD 50P |
| CP501 | 1-760-267-11 s | VCO, CRYSTAL 14.3818MHz [for J, UC] |
| CP501 | 1-760-269-11 s | OSCILLATOR, CRYSTAL 17.734475MHz |
| | | [for CE] |
| D501 | 8-719-059-51 s | DIODE MA3J142E0LS0 |
| D502 | 8-719-059-51 s | DIODE MA3J142E0LS0 |
| D503 | 8-719-059-51 s | DIODE MA3J142E0LS0 |
| D504 | 8-719-059-52 s | DIODE MA3J14300LS0 |
| D505 | 8-719-029-63 s | DIODE RD4.3UH-T1 |
| D506 | 8-719-029-63 s | DIODE RD4.3UH-T1 |
| D507 | 8-719-029-63 s | DIODE RD4.3UH-T1 |
| D508 | 8-719-029-57 s | DIODE RD2.4UH-T1 |
| DL501 | 1-415-761-21 s | DELAY LINE, LC |
| DL502 | 1-415-760-21 s | DELAY LINE, LC |
| DL503 | 1-411-271-21 s | DELAY LINE |
| DL504 | 1-411-272-21 s | DELAY LINE |
| FL501 | 1-233-342-11 s | FILTER, TRAP |
| FL502 | 1-402-647-11 s | DELAY LINE (90°) (NTSC) [for J, UC] |
| FL502 | 1-402-646-21 s | DELAY LINE (90°) (PAL) [for CE] |

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| Ref. No. or Q'ty | Part No. | SP Description |
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| FL503 | 1-233-737-11 s | FILTER, BAND PASS [for J, UC] |
| FL503 | 1-233-738-11 s | FILTER, BAND PASS [for CE] |
| IC501 | 8-759-234-77 s | IC TC4S66F |
| IC502 | 8-759-234-77 s | IC TC4S66F |
| IC503 | 8-759-066-61 s | IC TC4053BFS |
| IC504 | 8-759-066-61 s | IC TC4053BFS |
| IC505 | 8-759-049-58 s | IC SN74HC04APW-E05 |
| IC507 | 8-752-039-49 s | IC CXA1393AN |
| IC508 | 8-759-258-43 s | IC LT1253CS8-E2 |
| IC509 | 8-759-101-12 s | IC UPC311G2 |
| IC510 | 8-759-086-41 s | IC X24C02S-3.0 |
| IC511 | 8-759-635-27 s | IC M62352GP |
| IC512 | 8-759-059-50 s | IC MB88351PFV |
| IC513 | 8-759-031-84 s | IC SC7S04F |
| IC514 | 8-759-082-61 s | IC TC4W53FU |
| IC515 | 8-752-335-47 s | IC CXD1216M |
| IC516 | 8-759-234-77 s | IC TC4S66F |
| IC517 | 8-759-510-71 s | IC BA10358F-E2 |
| IC518 | 8-759-082-61 s | IC TC4W53FU |
| IC519 | 8-759-234-20 s | IC TC7S08F [for CE] |
| IC520 | 8-759-031-84 s | IC SC7S04F |
| IC521 | 8-759-049-96 s | IC SN74HC32APW-E20 |
| IC522 | 8-759-234-20 s | IC TC7S08F |
| IC523 | 8-759-031-84 s | IC SC7S04F [for CE] |
| IC524 | 8-752-341-58 s | IC CXD1217Q |
| IC525 | 8-759-209-57 s | IC TC4S69F |
| IC526 | 8-759-209-57 s | IC TC4S69F [for CE] |
| IC527 | 8-759-209-57 s | IC TC4S69F |
| IC528 | 8-759-195-02 s | IC TC7S86F-TE85L |
| IC529 | 8-759-510-71 s | IC BA10358F-E2 |
| IC530 | 8-759-902-88 s | IC SN74LS123NS |
| IC531 | 8-759-082-61 s | IC TC4W53FU |
| IC532 | 8-759-180-08 s | IC TC74HC4538AFS |
| IC533 | 8-759-112-66 s | IC UPC812G2 |
| IC534 | 8-759-049-55 s | IC SN74HC00APW-E20 |
| IC535 | 8-759-185-42 s | IC LM4040AIM3-2.5 |
| IC536 | 8-759-076-06 s | IC TL064CPW |
| IC537 | 8-759-082-61 s | IC TC4W53FU |
| IC538 | 8-759-082-61 s | IC TC4W53FU |
| IC539 | 8-759-906-59 s | IC CX22017 |
| IC540 | 8-759-195-02 s | IC TC7S86F-TE85L [for CE] |
| IC541 | 8-759-082-61 s | IC TC4W53FU |
| L501 | 1-412-955-11 s | INDUCTOR 22uH |
| L502 | 1-412-955-11 s | INDUCTOR 22uH |
| L503 | 1-412-955-11 s | INDUCTOR 22uH |
| L504 | 1-412-955-11 s | INDUCTOR 22uH |
| L505 | 1-412-957-11 s | INDUCTOR 33uH |
| L506 | 1-412-959-11 s | INDUCTOR 47uH |
| L507 | 1-412-955-11 s | INDUCTOR 22uH |
| L508 | 1-412-955-11 s | INDUCTOR 22uH |
| L509 | 1-412-955-11 s | INDUCTOR 22uH |
| L510 | 1-412-955-11 s | INDUCTOR 22uH |
| L511 | 1-410-656-11 s | INDUCTOR CHIP 150uH [for J, UC] |
| L511 | 1-410-393-11 s | INDUCTOR CHIP 100uH [for CE] |
| L512 | 1-412-959-11 s | INDUCTOR 47uH |
| L513 | 1-412-959-11 s | INDUCTOR 47uH |
| L514 | 1-412-959-11 s | INDUCTOR 47uH |
| L515 | 1-412-955-11 s | INDUCTOR 22uH |

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L516 1-412-955-11 s INDUCTOR 22uH
 L517 1-412-959-11 s INDUCTOR 47uH
 L518 1-412-280-31 s INDUCTOR 330uH
 L519 1-412-280-31 s INDUCTOR 330uH
 L520 1-412-959-11 s INDUCTOR 47uH

 L521 1-412-959-11 s INDUCTOR 47uH
 L522 1-412-959-11 s INDUCTOR 47uH

 Q501 8-729-402-84 s TRANSISTOR XN4601
 Q502 8-729-117-32 s TRANSISTOR 2SC4177
 Q503 8-729-403-29 s TRANSISTOR XN6435
 Q504 8-729-402-19 s TRANSISTOR XN6501
 Q505 8-729-117-32 s TRANSISTOR 2SC4177

 Q506 8-729-403-29 s TRANSISTOR XN6435
 Q507 8-729-117-32 s TRANSISTOR 2SC4177
 Q508 8-729-403-32 s TRANSISTOR XN6534
 Q509 8-729-403-29 s TRANSISTOR XN6435
 Q510 8-729-402-84 s TRANSISTOR XN4601

 Q511 8-729-403-32 s TRANSISTOR XN6534
 Q512 8-729-117-32 s TRANSISTOR 2SC4177
 Q513 8-729-403-29 s TRANSISTOR XN6435
 Q514 8-729-403-29 s TRANSISTOR XN6435
 Q515 8-729-402-84 s TRANSISTOR XN4601

 Q516 8-729-402-84 s TRANSISTOR XN4601
 Q517 8-729-026-53 s TRANSISTOR 2SA1576A-T106-QR
 Q518 8-729-026-53 s TRANSISTOR 2SA1576A-T106-QR
 Q519 8-729-402-19 s TRANSISTOR XN6501
 Q520 8-729-403-29 s TRANSISTOR XN6435

 Q521 8-729-402-84 s TRANSISTOR XN4601
 Q522 8-729-141-53 s TRANSISTOR 2SK94-X2X3X4
 Q523 8-729-905-38 s TRANSISTOR 2SC4081T106R
 Q524 8-729-403-29 s TRANSISTOR XN6435
 Q525 8-729-026-53 s TRANSISTOR 2SA1576A-T106-QR

 Q526 8-729-402-84 s TRANSISTOR XN4601
 Q527 8-729-026-53 s TRANSISTOR 2SA1576A-T106-QR
 Q528 8-729-402-19 s TRANSISTOR XN6501
 Q529 8-729-122-63 s TRANSISTOR 2SA1226
 Q530 8-729-402-19 s TRANSISTOR XN6501

 Q531 8-729-402-78 s TRANSISTOR XN6401
 Q532 8-729-402-19 s TRANSISTOR XN6501
 Q533 8-729-905-38 s TRANSISTOR 2SC4081T106R
 Q534 8-729-402-19 s TRANSISTOR XN6501
 Q535 8-729-403-29 s TRANSISTOR XN6435

 Q536 8-729-026-53 s TRANSISTOR 2SA1576A-T106-QR
 Q537 8-729-402-84 s TRANSISTOR XN4601 [for J, UC]
 Q538 8-729-402-84 s TRANSISTOR XN4601
 Q539 8-729-905-38 s TRANSISTOR 2SC4081T106R
 Q540 8-729-402-84 s TRANSISTOR XN4601

 Q541 8-729-101-07 s TRANSISTOR 2SB798
 Q542 8-729-101-07 s TRANSISTOR 2SB798
 Q543 8-729-807-51 s TRANSISTOR 2SD1623-S
 Q544 8-729-026-53 s TRANSISTOR 2SA1576A-T106-QR
 Q545 8-729-026-53 s TRANSISTOR 2SA1576A-T106-QR

 Q546 8-729-905-38 s TRANSISTOR 2SC4081T106R
 Q547 8-729-402-78 s TRANSISTOR XN6401
 Q548 8-729-905-38 s TRANSISTOR 2SC4081T106R
 Q549 8-729-905-38 s TRANSISTOR 2SC4081T106R
 Q550 8-729-402-78 s TRANSISTOR XN6401

 Q551 8-729-905-38 s TRANSISTOR 2SC4081T106R

Ref. No.
or Q'ty Part No. SP Description

Q552 8-729-402-84 s TRANSISTOR XN4601
 Q553 8-729-402-84 s TRANSISTOR XN4601
 Q554 8-729-402-19 s TRANSISTOR XN6501
 Q555 8-729-402-19 s TRANSISTOR XN6501

 R501 1-216-827-11 s METAL, CHIP 3.3K 5% 1/16W
 R502 1-216-825-11 s METAL, CHIP 2.2K 5% 1/16W
 R503 1-216-809-11 s METAL, CHIP 100 5% 1/16W
 R504 1-216-825-11 s METAL, CHIP 2.2K 5% 1/16W
 R505 1-216-809-11 s METAL, CHIP 100 5% 1/16W

 R506 1-216-809-11 s METAL, CHIP 100 5% 1/16W
 R507 1-216-825-11 s METAL, CHIP 2.2K 5% 1/16W
 R508 1-216-825-11 s METAL, CHIP 2.2K 5% 1/16W
 R509 1-216-821-11 s METAL, CHIP 1K 5% 1/16W
 R510 1-216-840-11 s METAL, CHIP 39K 5% 1/16W

 R511 1-216-827-11 s METAL, CHIP 3.3K 5% 1/16W
 R512 1-216-829-11 s METAL, CHIP 4.7K 5% 1/16W
 R513 1-216-822-11 s METAL, CHIP 1.2K 5% 1/16W
 R514 1-216-809-11 s METAL, CHIP 100 5% 1/16W
 R515 1-216-700-11 s METAL, CHIP 2.2K 0.50% 1/16W

 R516 1-216-813-11 s METAL, CHIP 220 5% 1/16W
 R517 1-216-833-11 s METAL, CHIP 10K 5% 1/16W
 R518 1-216-829-11 s METAL, CHIP 4.7K 5% 1/16W
 R519 1-216-825-11 s METAL, CHIP 2.2K 5% 1/16W
 R520 1-216-809-11 s METAL, CHIP 100 5% 1/16W

 R521 1-216-700-11 s METAL, CHIP 2.2K 0.50% 1/16W
 R522 1-216-833-11 s METAL, CHIP 10K 5% 1/16W
 R523 1-216-821-11 s METAL, CHIP 1K 5% 1/16W
 R524 1-216-821-11 s METAL, CHIP 1K 5% 1/16W
 R525 1-216-724-11 s METAL, CHIP 22K 0.50% 1/16W

 R526 1-216-813-11 s METAL, CHIP 220 5% 1/16W
 R527 1-216-825-11 s METAL, CHIP 2.2K 5% 1/16W
 R529 1-216-833-11 s METAL, CHIP 10K 5% 1/16W
 R530 1-216-821-11 s METAL, CHIP 1K 5% 1/16W
 R531 1-216-833-11 s METAL, CHIP 10K 5% 1/16W

 R532 1-216-813-11 s METAL, CHIP 220 5% 1/16W
 R533 1-216-827-11 s METAL, CHIP 3.3K 5% 1/16W
 R534 1-216-825-11 s METAL, CHIP 2.2K 5% 1/16W
 R535 1-216-829-11 s METAL, CHIP 4.7K 5% 1/16W
 R536 1-216-829-11 s METAL, CHIP 4.7K 5% 1/16W

 R537 1-216-809-11 s METAL, CHIP 100 5% 1/16W
 R538 1-216-825-11 s METAL, CHIP 2.2K 5% 1/16W
 R539 1-216-864-11 s METAL, CHIP 0 5% 1/16W
 R540 1-216-825-11 s METAL, CHIP 2.2K 5% 1/16W
 R541 1-216-821-11 s METAL, CHIP 1K 5% 1/16W

 R542 1-216-821-11 s METAL, CHIP 1K 5% 1/16W
 R543 1-216-823-11 s METAL, CHIP 1.5K 5% 1/16W
 R544 1-216-825-11 s METAL, CHIP 2.2K 5% 1/16W
 R545 1-216-821-11 s METAL, CHIP 1K 5% 1/16W
 R546 1-216-825-11 s METAL, CHIP 2.2K 5% 1/16W

 R547 1-216-825-11 s METAL, CHIP 2.2K 5% 1/16W
 R548 1-216-825-11 s METAL, CHIP 2.2K 5% 1/16W
 R549 1-218-873-11 s METAL, CHIP 12K 0.50% 1/16W
 R550 1-216-809-11 s METAL, CHIP 100 5% 1/16W
 R551 1-216-821-11 s METAL, CHIP 1K 5% 1/16W

 R552 1-216-825-11 s METAL, CHIP 2.2K 5% 1/16W
 R553 1-216-829-11 s METAL, CHIP 4.7K 5% 1/16W
 R554 1-216-825-11 s METAL, CHIP 2.2K 5% 1/16W
 R555 1-216-809-11 s METAL, CHIP 100 5% 1/16W
 R556 1-216-825-11 s METAL, CHIP 2.2K 5% 1/16W

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| R557 | 1-216-809-11 s METAL, CHIP 100 5% 1/16W |
| R558 | 1-216-825-11 s METAL, CHIP 2.2K 5% 1/16W |
| R559 | 1-216-827-11 s METAL, CHIP 3.3K 5% 1/16W |
| R560 | 1-216-827-11 s METAL, CHIP 3.3K 5% 1/16W |
| R561 | 1-216-841-11 s METAL, CHIP 47K 5% 1/16W |
| R562 | 1-216-841-11 s METAL, CHIP 47K 5% 1/16W |
| R563 | 1-216-841-11 s METAL, CHIP 47K 5% 1/16W |
| R564 | 1-216-841-11 s METAL, CHIP 47K 5% 1/16W |
| R565 | 1-216-809-11 s METAL, CHIP 100 5% 1/16W |
| R566 | 1-216-841-11 s METAL, CHIP 47K 5% 1/16W |
| R567 | 1-216-809-11 s METAL, CHIP 100 5% 1/16W |
| R568 | 1-216-841-11 s METAL, CHIP 47K 5% 1/16W |
| R570 | 1-216-833-11 s METAL, CHIP 10K 5% 1/16W |
| R571 | 1-216-829-11 s METAL, CHIP 4.7K 5% 1/16W |
| R572 | 1-216-829-11 s METAL, CHIP 4.7K 5% 1/16W |
| R573 | 1-216-809-11 s METAL, CHIP 100 5% 1/16W |
| R574 | 1-216-809-11 s METAL, CHIP 100 5% 1/16W |
| R575 | 1-216-825-11 s METAL, CHIP 2.2K 5% 1/16W |
| R576 | 1-216-807-11 s METAL, CHIP 68 5% 1/16W |
| R577 | 1-216-825-11 s METAL, CHIP 2.2K 5% 1/16W |
| R578 | 1-216-813-11 s METAL, CHIP 220 5% 1/16W |
| R581 | 1-216-692-11 s METAL, CHIP 1K 0.50% 1/16W |
| R582 | 1-216-692-11 s METAL, CHIP 1K 0.50% 1/16W |
| R583 | 1-211-990-11 s METAL, CHIP 75 0.50% 1/16W |
| R584 | 1-216-813-11 s METAL, CHIP 220 5% 1/16W |
| R588 | 1-216-821-11 s METAL, CHIP 1K 5% 1/16W |
| R589 | 1-211-990-11 s METAL, CHIP 75 0.50% 1/16W |
| R590 | 1-216-809-11 s METAL, CHIP 100 5% 1/16W |
| R591 | 1-216-809-11 s METAL, CHIP 100 5% 1/16W |
| R592 | 1-218-694-11 s METAL, CHIP 1.2K 0.50% 1/16W |
| R592 | 1-216-833-11 s METAL, CHIP 10K 5% 1/16W |
| R593 | 1-216-829-11 s METAL, CHIP 4.7K 5% 1/16W |
| R594 | 1-218-698-11 s METAL, CHIP 1.8K 0.50% 1/16W |
| R595 | 1-218-704-11 s METAL, CHIP 3.3K 0.50% 1/16W |
| R596 | 1-218-848-11 s METAL, CHIP 1.1K 0.50% 1/16W |
| R597 | 1-216-845-11 s METAL, CHIP 100K 5% 1/16W |
| R598 | 1-216-825-11 s METAL, CHIP 2.2K 5% 1/16W |
| R599 | 1-216-821-11 s METAL, CHIP 1K 5% 1/16W |
| R600 | 1-216-823-11 s METAL, CHIP 1.5K 5% 1/16W |
| R601 | 1-216-845-11 s METAL, CHIP 100K 5% 1/16W |
| R602 | 1-218-676-11 s METAL, CHIP 220 0.50% 1/16W |
| R603 | 1-216-829-11 s METAL, CHIP 4.7K 5% 1/16W |
| R604 | 1-216-845-11 s METAL, CHIP 100K 5% 1/16W |
| R605 | 1-216-821-11 s METAL, CHIP 1K 5% 1/16W |
| R606 | 1-218-866-11 s METAL, CHIP 6.2K 0.50% 1/16W |
| R607 | 1-216-848-11 s METAL, CHIP 180K 5% 1/16W |
| R608 | 1-216-825-11 s METAL, CHIP 2.2K 5% 1/16W |
| R609 | 1-218-867-11 s METAL, CHIP 6.8K 0.50% 1/16W |
| R610 | 1-218-708-11 s METAL, CHIP 4.7K 0.50% 1/16W |
| R611 | 1-216-857-11 s METAL, CHIP 1M 5% 1/16W |
| R612 | 1-218-708-11 s METAL, CHIP 4.7K 0.50% 1/16W |
| R613 | 1-216-821-11 s METAL, CHIP 1K 5% 1/16W |
| R614 | 1-218-710-11 s METAL, CHIP 5.6K 0.50% 1/16W |
| R615 | 1-216-833-11 s METAL, CHIP 10K 5% 1/16W |
| R616 | 1-216-829-11 s METAL, CHIP 4.7K 5% 1/16W |
| R617 | 1-216-809-11 s METAL, CHIP 100 5% 1/16W |
| R618 | 1-216-809-11 s METAL, CHIP 100 5% 1/16W |
| R619 | 1-216-825-11 s METAL, CHIP 2.2K 5% 1/16W |
| R620 | 1-216-821-11 s METAL, CHIP 1K 5% 1/16W |

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| Ref. No. or Q'ty | Part No. | SP Description |
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| R621 | 1-216-829-11 s METAL, CHIP 4.7K 5% 1/16W |
| R622 | 1-216-827-11 s METAL, CHIP 3.3K 5% 1/16W |
| R623 | 1-218-699-11 s METAL, CHIP 2K 0.50% 1/16W |
| R624 | 1-216-821-11 s METAL, CHIP 1K 5% 1/16W |
| R625 | 1-216-825-11 s METAL, CHIP 2.2K 5% 1/16W |
| R626 | 1-218-684-11 s METAL, CHIP 470 0.50% 1/16W |
| R627 | 1-218-684-11 s METAL, CHIP 470 0.50% 1/16W |
| R628 | 1-216-829-11 s METAL, CHIP 4.7K 5% 1/16W |
| R629 | 1-216-813-11 s METAL, CHIP 220 5% 1/16W |
| R630 | 1-216-813-11 s METAL, CHIP 220 5% 1/16W |
| R631 | 1-216-829-11 s METAL, CHIP 4.7K 5% 1/16W |
| R632 | 1-216-829-11 s METAL, CHIP 4.7K 5% 1/16W |
| R633 | 1-218-700-11 s METAL, CHIP 2.2K 0.50% 1/16W |
| R634 | 1-218-856-11 s METAL, CHIP 2.4K 0.50% 1/16W |
| R635 | 1-218-708-11 s METAL, CHIP 4.7K 0.50% 1/16W |
| R636 | 1-216-829-11 s METAL, CHIP 4.7K 5% 1/16W |
| R637 | 1-216-823-11 s METAL, CHIP 1.5K 5% 1/16W |
| R639 | 1-216-809-11 s METAL, CHIP 100 5% 1/16W |
| R640 | 1-216-825-11 s METAL, CHIP 2.2K 5% 1/16W |
| R641 | 1-216-809-11 s METAL, CHIP 100 5% 1/16W |
| R642 | 1-218-845-11 s METAL, CHIP 820 0.50% 1/16W |
| R643 | 1-216-809-11 s METAL, CHIP 100 5% 1/16W |
| R644 | 1-216-794-11 s METAL, CHIP 5.6 5% 1/16W |
| R645 | 1-216-794-11 s METAL, CHIP 5.6 5% 1/16W |
| R646 | 1-216-805-11 s METAL, CHIP 47 5% 1/16W |
| R647 | 1-211-990-11 s METAL, CHIP 75 0.50% 1/16W |
| R648 | 1-211-990-11 s METAL, CHIP 75 0.50% 1/16W |
| R649 | 1-216-825-11 s METAL, CHIP 2.2K 5% 1/16W |
| R650 | 1-218-700-11 s METAL, CHIP 2.2K 0.50% 1/16W |
| R651 | 1-218-708-11 s METAL, CHIP 4.7K 0.50% 1/16W |
| R652 | 1-216-825-11 s METAL, CHIP 2.2K 5% 1/16W |
| R653 | 1-218-700-11 s METAL, CHIP 2.2K 0.50% 1/16W |
| R654 | 1-216-807-11 s METAL, CHIP 68 5% 1/16W |
| R655 | 1-218-684-11 s METAL, CHIP 470 0.50% 1/16W |
| R656 | 1-216-821-11 s METAL, CHIP 1K 5% 1/16W |
| R657 | 1-216-821-11 s METAL, CHIP 1K 5% 1/16W |
| R658 | 1-216-845-11 s METAL, CHIP 100K 5% 1/16W |
| R659 | 1-216-845-11 s METAL, CHIP 100K 5% 1/16W |
| R660 | 1-216-836-11 s METAL, CHIP 18K 5% 1/16W |
| R661 | 1-216-829-11 s METAL, CHIP 4.7K 5% 1/16W |
| R662 | 1-216-821-11 s METAL, CHIP 1K 5% 1/16W |
| R663 | 1-216-815-11 s METAL, CHIP 330 5% 1/16W |
| R664 | 1-216-827-11 s METAL, CHIP 3.3K 5% 1/16W |
| R665 | 1-216-848-11 s METAL, CHIP 180K 5% 1/16W |
| R666 | 1-216-823-11 s METAL, CHIP 1.5K 5% 1/16W |
| R667 | 1-216-823-11 s METAL, CHIP 1.5K 5% 1/16W |
| R667 | 1-216-827-11 s METAL, CHIP 3.3K 5% 1/16W [for CE] |
| R668 | 1-216-826-11 s METAL, CHIP 2.7K 5% 1/16W |
| R669 | 1-216-833-11 s METAL, CHIP 10K 5% 1/16W |
| R670 | 1-216-837-11 s METAL, CHIP 22K 5% 1/16W |
| R671 | 1-216-827-11 s METAL, CHIP 3.3K 5% 1/16W |
| R672 | 1-216-864-11 s METAL, CHIP 0 5% 1/16W [for J,UC] |
| R673 | 1-216-864-11 s METAL, CHIP 0 5% 1/16W |
| R674 | 1-216-864-11 s METAL, CHIP 0 5% 1/16W [for CE] |
| R675 | 1-216-821-11 s METAL, CHIP 1K 5% 1/16W |
| R676 | 1-218-710-11 s METAL, CHIP 5.6K 0.50% 1/16W |
| R677 | 1-216-827-11 s METAL, CHIP 3.3K 5% 1/16W |
| R678 | 1-216-825-11 s METAL, CHIP 2.2K 5% 1/16W |

(ES-12/12(P) BOARD)

| Ref. No. or Q'ty | Part No. | SP Description |
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| R679 | 1-218-867-11 s METAL, CHIP 6.8K 0.50% 1/16W |
| R680 | 1-218-883-11 s METAL 33K 0.50% 1/16W |
| R681 | 1-216-845-11 s METAL, CHIP 100K 5% 1/16W |
| R682 | 1-218-883-11 s METAL 33K 0.50% 1/16W [for J, UC] |
| R683 | 1-218-724-11 s METAL 22K 0.50% 1/16W [for J, UC] |
| R684 | 1-218-724-11 s METAL 22K 0.50% 1/16W [for J, UC] |
| R685 | 1-218-699-11 s METAL, CHIP 2K 0.50% 1/16W |
| R686 | 1-216-826-11 s METAL, CHIP 2.7K 5% 1/16W [for CE] |
| R687 | 1-216-864-11 s METAL, CHIP 0 5% 1/16W [for CE] |
| R688 | 1-216-826-11 s METAL, CHIP 2.7K 5% 1/16W [for CE] |
| R689 | 1-216-841-11 s METAL, CHIP 47K 5% 1/16W [for J, UC] |
| R690 | 1-216-833-11 s METAL, CHIP 10K 5% 1/16W [for J, UC] |
| R691 | 1-216-833-11 s METAL, CHIP 10K 5% 1/16W [for J, UC] |
| R692 | 1-216-833-11 s METAL, CHIP 10K 5% 1/16W |
| R693 | 1-216-864-11 s METAL, CHIP 0 5% 1/16W [for CE] |
| R694 | 1-216-821-11 s METAL, CHIP 1K 5% 1/16W |
| R696 | 1-216-797-11 s METAL, CHIP 10 5% 1/16W |
| R699 | 1-216-864-11 s METAL, CHIP 0 5% 1/16W [for J, UC] |
| R700 | 1-216-864-11 s METAL, CHIP 0 5% 1/16W [for J, UC] |
| R701 | 1-216-864-11 s METAL, CHIP 0 5% 1/16W [for CE] |
| R702 | 1-216-864-11 s METAL, CHIP 0 5% 1/16W |
| R703 | 1-216-864-11 s METAL, CHIP 0 5% 1/16W [for J, UC] |
| R704 | 1-216-857-11 s METAL, CHIP 1M 5% 1/16W |
| R705 | 1-216-857-11 s METAL, CHIP 1M 5% 1/16W |
| R706 | 1-216-864-11 s METAL, CHIP 0 5% 1/16W [for CE] |
| R707 | 1-216-864-11 s METAL, CHIP 0 5% 1/16W |
| R708 | 1-216-864-11 s METAL, CHIP 0 5% 1/16W |
| R709 | 1-216-821-11 s METAL, CHIP 1K 5% 1/16W |
| R710 | 1-218-710-11 s METAL, CHIP 5.6K 0.50% 1/16W |
| R711 | 1-216-821-11 s METAL, CHIP 1K 5% 1/16W [for CE] |
| R712 | 1-216-821-11 s METAL, CHIP 1K 5% 1/16W |
| R713 | 1-216-829-11 s METAL, CHIP 4.7K 5% 1/16W |
| R714 | 1-216-837-11 s METAL, CHIP 22K 5% 1/16W |
| R715 | 1-216-833-11 s METAL, CHIP 10K 5% 1/16W |
| R716 | 1-216-829-11 s METAL, CHIP 4.7K 5% 1/16W |
| R717 | 1-218-684-11 s METAL, CHIP 470 0.50% 1/16W |
| R718 | 1-216-821-11 s METAL, CHIP 1K 5% 1/16W |
| R719 | 1-216-797-11 s METAL, CHIP 10 5% 1/16W |
| R720 | 1-216-797-11 s METAL, CHIP 10 5% 1/16W |
| R721 | 1-218-727-11 s METAL 30K 0.50% 1/16W |
| R722 | 1-218-881-11 s METAL, CHIP 27K 0.50% 1/16W |
| R723 | 1-216-833-11 s METAL, CHIP 10K 5% 1/16W |
| R724 | 1-216-809-11 s METAL, CHIP 100 5% 1/16W |
| R725 | 1-216-825-11 s METAL, CHIP 2.2K 5% 1/16W |
| R726 | 1-216-821-11 s METAL, CHIP 1K 5% 1/16W |
| R728 | 1-216-821-11 s METAL, CHIP 1K 5% 1/16W |
| R729 | 1-216-864-11 s METAL, CHIP 0 5% 1/16W |
| R730 | 1-218-716-11 s METAL 10K 0.50% 1/16W |
| R731 | 1-218-883-11 s METAL 33K 0.50% 1/16W |
| R732 | 1-218-724-11 s METAL 22K 0.50% 1/16W |
| R733 | 1-218-716-11 s METAL 10K 0.50% 1/16W |
| R734 | 1-218-883-11 s METAL 33K 0.50% 1/16W |
| R735 | 1-218-724-11 s METAL 22K 0.50% 1/16W |
| R736 | 1-216-833-11 s METAL, CHIP 10K 5% 1/16W |
| R737 | 1-216-809-11 s METAL, CHIP 100 5% 1/16W |
| R738 | 1-216-821-11 s METAL, CHIP 1K 5% 1/16W |

(ES-12/12(P) BOARD)

| Ref. No. or Q'ty | Part No. | SP Description |
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| R739 | 1-216-825-11 s METAL, CHIP 2.2K 5% 1/16W |
| R741 | 1-216-833-11 s METAL, CHIP 10K 5% 1/16W |
| R742 | 1-216-835-11 s METAL, CHIP 15K 5% 1/16W |
| R743 | 1-216-809-11 s METAL, CHIP 100 5% 1/16W |
| R744 | 1-218-698-11 s METAL 1.8K 0.50% 1/16W |
| R745 | 1-218-868-11 s METAL, CHIP 7.5K 0.50% 1/16W |
| R746 | 1-216-835-11 s METAL, CHIP 15K 5% 1/16W |
| R747 | 1-216-835-11 s METAL, CHIP 15K 5% 1/16W |
| R748 | 1-216-833-11 s METAL, CHIP 10K 5% 1/16W |
| R749 | 1-216-833-11 s METAL, CHIP 10K 5% 1/16W |
| R750 | 1-216-825-11 s METAL, CHIP 2.2K 5% 1/16W |
| R751 | 1-216-821-11 s METAL, CHIP 1K 5% 1/16W |
| R752 | 1-216-825-11 s METAL, CHIP 2.2K 5% 1/16W |
| R753 | 1-216-797-11 s METAL, CHIP 10 5% 1/16W |
| R754 | 1-216-797-11 s METAL, CHIP 10 5% 1/16W |
| R755 | 1-218-881-11 s METAL, CHIP 27K 0.50% 1/16W |
| R756 | 1-216-833-11 s METAL, CHIP 10K 5% 1/16W |
| R757 | 1-218-889-11 s METAL, CHIP 56K 0.50% 1/16W |
| R758 | 1-218-724-11 s METAL 22K 0.50% 1/16W |
| R759 | 1-218-883-11 s METAL 33K 0.50% 1/16W |
| R760 | 1-218-881-11 s METAL, CHIP 27K 0.50% 1/16W |
| R761 | 1-218-708-11 s METAL 4.7K 0.50% 1/16W |
| R762 | 1-218-883-11 s METAL 33K 0.50% 1/16W |
| R763 | 1-218-873-11 s METAL, CHIP 12K 0.50% 1/16W |
| R764 | 1-218-729-11 s METAL 36K 0.50% 1/16W |
| R765 | 1-216-833-11 s METAL, CHIP 10K 5% 1/16W |
| R766 | 1-216-837-11 s METAL, CHIP 22K 5% 1/16W |
| R767 | 1-216-829-11 s METAL, CHIP 4.7K 5% 1/16W |
| R768 | 1-216-833-11 s METAL, CHIP 10K 5% 1/16W |
| R769 | 1-216-829-11 s METAL, CHIP 4.7K 5% 1/16W |
| R770 | 1-216-837-11 s METAL, CHIP 22K 5% 1/16W |
| R771 | 1-216-833-11 s METAL, CHIP 10K 5% 1/16W |
| R772 | 1-216-827-11 s METAL, CHIP 3.3K 5% 1/16W |
| R773 | 1-216-829-11 s METAL, CHIP 4.7K 5% 1/16W |
| R774 | 1-216-833-11 s METAL, CHIP 10K 5% 1/16W |
| R775 | 1-216-827-11 s METAL, CHIP 3.3K 5% 1/16W |
| R776 | 1-216-829-11 s METAL, CHIP 4.7K 5% 1/16W |
| R777 | 1-216-829-11 s METAL, CHIP 4.7K 5% 1/16W |
| R778 | 1-216-821-11 s METAL, CHIP 1K 5% 1/16W |
| R779 | 1-218-716-11 s METAL 10K 0.50% 1/16W |
| R780 | 1-218-700-11 s METAL 2.2K 0.50% 1/16W |
| R781 | 1-216-833-11 s METAL, CHIP 10K 5% 1/16W |
| R782 | 1-218-704-11 s METAL 3.3K 0.50% 1/16W |
| R783 | 1-218-702-11 s METAL, CHIP 2.7K 0.50% 1/16W |
| R784 | 1-216-826-11 s METAL, CHIP 2.7K 5% 1/16W |
| R785 | 1-218-883-11 s METAL 33K 0.50% 1/16W |
| R786 | 1-216-845-11 s METAL, CHIP 100K 5% 1/16W |
| R787 | 1-218-692-11 s METAL, CHIP 1K 0.50% 1/16W |
| R788 | 1-216-829-11 s METAL, CHIP 4.7K 5% 1/16W |
| R789 | 1-216-821-11 s METAL, CHIP 1K 5% 1/16W |
| R790 | 1-218-716-11 s METAL 10K 0.50% 1/16W |
| R791 | 1-218-700-11 s METAL 2.2K 0.50% 1/16W |
| R792 | 1-218-708-11 s METAL 4.7K 0.50% 1/16W [for J, UC] [for CE] |
| R793 | 1-218-704-11 s METAL 3.3K 0.50% 1/16W |
| R794 | 1-218-851-11 s METAL, CHIP 1.5K 0.50% 1/16W |
| R795 | 1-216-826-11 s METAL, CHIP 2.7K 5% 1/16W |
| R796 | 1-218-883-11 s METAL 33K 0.50% 1/16W |

| Ref. No. or Q'ty | Part No. | SP Description | Ref. No. or Q'ty | Part No. | SP Description |
|---------------------|---|----------------|---------------------|--|------------------------------|
| R797 | 1-216-845-11 s METAL, CHIP 100K 5% 1/16W | | 1pc | A-8311-125-A o | OUNTED CIRCUIT BOARD, IF-532 |
| R798 | 1-218-692-11 s METAL, CHIP 1K 0.50% 1/16W | | 3pcs | 3-729-061-01 s SCREW (M2X4.5) (TYPE 1) | |
| R799 | 1-216-845-11 s METAL, CHIP 100K 5% 1/16W | [for J, UC] | C501 | 1-107-689-21 s TANTALUM 1uF 20% 35V | |
| R800 | 1-216-837-11 s METAL, CHIP 22K 5% 1/16W [for CE] | | C502 | 1-164-156-11 s CERAMIC 0.1uF 25V | |
| R801 | 1-216-829-11 s METAL, CHIP 4.7K 5% 1/16W | | C503 | 1-164-156-11 s CERAMIC 0.1uF 25V | |
| R802 | 1-216-829-11 s METAL, CHIP 4.7K 5% 1/16W | | C504 | 1-164-156-11 s CERAMIC 0.1uF 25V | |
| R803 | 1-216-821-11 s METAL, CHIP 1K 5% 1/16W | | C506 | 1-104-851-11 s TANTALUM, CHIP 10uF 20% 10V | |
| R804 | 1-216-821-11 s METAL, CHIP 1K 5% 1/16W | | C507 | 1-113-642-11 s TANTALUM 47uF 20% 10V | |
| R805 | 1-216-829-11 s METAL, CHIP 4.7K 5% 1/16W | | C508 | 1-164-156-11 s CERAMIC 0.1uF 25V | |
| R806 | 1-216-801-11 s METAL, CHIP 22 5% 1/16W | | C509 | 1-164-156-11 s CERAMIC 0.1uF 25V | |
| R807 | 1-216-829-11 s METAL, CHIP 4.7K 5% 1/16W | | C510 | 1-104-851-11 s TANTALUM, CHIP 10uF 20% 10V | |
| R808 | 1-216-827-11 s METAL, CHIP 3.3K 5% 1/16W | [for J, UC] | C511 | 1-104-851-11 s TANTALUM, CHIP 10uF 20% 10V | |
| R809 | 1-216-831-11 s METAL, CHIP 6.8K 5% 1/16W [for CE] | | C512 | 1-113-642-11 s TANTALUM 47uF 20% 10V | |
| R809 | 1-216-823-11 s METAL, CHIP 1.5K 5% 1/16W | [for J, UC] | C513 | 1-113-642-11 s TANTALUM 47uF 20% 10V | |
| R809 | 1-216-829-11 s METAL, CHIP 4.7K 5% 1/16W [for CE] | | C514 | 1-164-156-11 s CERAMIC 0.1uF 25V | |
| R810 | 1-218-710-11 s METAL, CHIP 5.6K 0.50% 1/16W | | C515 | 1-164-156-11 s CERAMIC 0.1uF 25V | |
| R811 | 1-218-692-11 s METAL, CHIP 1K 0.50% 1/16W | | C516 | 1-164-156-11 s CERAMIC 0.1uF 25V | |
| R812 | 1-218-692-11 s METAL, CHIP 1K 0.50% 1/16W | | C517 | 1-164-156-11 s CERAMIC 0.1uF 25V | |
| R813 | 1-218-851-11 s METAL, CHIP 1.5K 0.50% 1/16W | [for J, UC] | C518 | 1-164-156-11 s CERAMIC 0.1uF 25V | |
| R813 | 1-218-698-11 s METAL 1.8K 0.50% 1/16W [for CE] | | C519 | 1-164-156-11 s CERAMIC 0.1uF 25V | |
| R814 | 1-218-720-11 s METAL 15K 0.50% 1/16W | | C520 | 1-164-156-11 s CERAMIC 0.1uF 25V | |
| R815 | 1-218-710-11 s METAL, CHIP 5.6K 0.50% 1/16W | | C521 | 1-164-156-11 s CERAMIC 0.1uF 25V | |
| R816 | 1-216-809-11 s METAL, CHIP 100 5% 1/16W | | C522 | 1-104-851-11 s TANTALUM, CHIP 10uF 20% 10V | |
| R817 | 1-216-825-11 s METAL, CHIP 2.2K 5% 1/16W | | C523 | 1-104-851-11 s TANTALUM, CHIP 10uF 20% 10V | |
| R819 | 1-216-828-11 s METAL, CHIP 3.9K 5% 1/16W | | C524 | 1-104-851-11 s TANTALUM, CHIP 10uF 20% 10V | |
| R820 | 1-216-825-11 s METAL, CHIP 2.2K 5% 1/16W | | C525 | 1-113-682-11 s TANTALUM CHIP 33uF 20% 10V | |
| R821 | 1-218-698-11 s METAL 1.8K 0.50% 1/16W | | C526 | 1-113-682-11 s TANTALUM CHIP 33uF 20% 10V | |
| R822 | 1-216-825-11 s METAL, CHIP 2.2K 5% 1/16W | | C527 | 1-162-913-11 s CERAMIC 8PF 0.5PF 50V | |
| R823 | 1-216-807-11 s METAL, CHIP 68 5% 1/16W | | C528 | 1-162-910-11 s CERAMIC 5PF 0.25PF 50V | |
| R824 | 1-216-833-11 s METAL, CHIP 10K 5% 1/16W | | C529 | 1-164-156-11 s CERAMIC 0.1uF 25V | |
| R826 | 1-216-864-11 s METAL, CHIP 0 5% 1/16W | | C530 | 1-164-156-11 s CERAMIC 0.1uF 25V | |
| R828 | 1-216-829-11 s METAL, CHIP 4.7K 5% 1/16W | | C531 | 1-162-913-11 s CERAMIC 8PF 0.5PF 50V | |
| R829 | 1-216-845-11 s METAL, CHIP 100K 5% 1/16W | | C532 | 1-162-913-11 s CERAMIC 8PF 0.5PF 50V | |
| R830 | 1-218-873-11 s METAL, CHIP 12K 0.50% 1/16W | | C533 | 1-164-156-11 s CERAMIC 0.1uF 25V | |
| R831 | 1-216-827-11 s METAL, CHIP 3.3K 5% 1/16W | | C534 | 1-164-156-11 s CERAMIC 0.1uF 25V | |
| RB501 | 1-236-904-11 s RESISTOR, BLOCK CHIP 1K | | C535 | 1-162-916-11 s CERAMIC, CHIP 12PF 5% 50V | |
| RB502 | 1-236-907-11 s RESISTOR BLOCK, CHIP 100KX4 | | C536 | 1-162-913-11 s CERAMIC 8PF 0.5PF 50V | |
| RV501 | 1-241-260-11 s RES, ADJ, METAL 500 | | C537 | 1-164-156-11 s CERAMIC 0.1uF 25V | |
| RV502 | 1-241-261-41 s RES, ADJ, METAL 1K | | C538 | 1-164-156-11 s CERAMIC 0.1uF 25V | |
| RV503 | 1-241-261-41 s RES, ADJ, METAL 1K | | C539 | 1-113-682-11 s TANTALUM CHIP 33uF 20% 10V | |
| RV504 | 1-241-261-41 s RES, ADJ, METAL 1K | | C540 | 1-113-682-11 s TANTALUM CHIP 33uF 20% 10V | |
| RV505 | 1-241-260-11 s RES, ADJ, METAL 500 | | C541 | 1-164-156-11 s CERAMIC 0.1uF 25V | |
| | | | C542 | 1-164-156-11 s CERAMIC 0.1uF 25V | |
| | | | C544 | 1-104-608-11 s ELECT 33uF 20% 6.3V | |
| | | | C545 | 1-162-927-11 s CERAMIC, CHIP 100PF 5% 50V | |
| | | | C546 | 1-164-156-11 s CERAMIC 0.1uF 25V | |
| | | | C547 | 1-164-156-11 s CERAMIC 0.1uF 25V | |
| | | | C548 | 1-164-156-11 s CERAMIC 0.1uF 25V | |
| | | | C549 | 1-164-156-11 s CERAMIC 0.1uF 25V | |
| | | | C550 | 1-164-156-11 s CERAMIC 0.1uF 25V | |
| | | | C551 | 1-164-156-11 s CERAMIC 0.1uF 25V | |
| | | | C552 | 1-164-156-11 s CERAMIC 0.1uF 25V | |
| | | | C553 | 1-164-156-11 s CERAMIC 0.1uF 25V | |
| | | | C554 | 1-164-156-11 s CERAMIC 0.1uF 25V | |
| | | | C556 | 1-104-608-11 s ELECT 33uF 20% 6.3V | |
| | | | C557 | 1-162-927-11 s CERAMIC, CHIP 100PF 5% 50V | |
| | | | C558 | 1-164-156-11 s CERAMIC 0.1uF 25V | |
| | | | C559 | 1-164-156-11 s CERAMIC 0.1uF 25V | |

(IF-532 BOARD)

Ref. No.
or Q'ty Part No. SP Description

C560 1-164-156-11 s CERAMIC 0.1uF 25V
 C561 1-164-156-11 s CERAMIC 0.1uF 25V
 C562 1-164-156-11 s CERAMIC 0.1uF 25V
 C565 1-113-682-11 s TANTALUM CHIP 33uF 20% 10V
 C566 1-113-682-11 s TANTALUM CHIP 33uF 20% 10V

C568 1-104-608-11 s ELECT 33uF 20% 6.3V
 C569 1-162-927-11 s CERAMIC, CHIP 100PF 5% 50V
 C570 1-164-156-11 s CERAMIC 0.1uF 25V
 C571 1-162-923-11 s CERAMIC, CHIP 47PF 5% 50V
 C572 1-162-923-11 s CERAMIC, CHIP 47PF 5% 50V

C573 1-164-156-11 s CERAMIC 0.1uF 25V
 C574 1-164-156-11 s CERAMIC 0.1uF 25V
 C575 1-162-915-11 s CERAMIC, CHIP 10PF 0.5PF 50V
 C576 1-162-921-11 s CERAMIC, CHIP 33PF 5% 50V
 C577 1-162-911-11 s CERAMIC, CHIP 6PF 50V

C578 1-162-925-11 s CERAMIC, CHIP 68PF 5% 50V
 C579 1-162-917-11 s CERAMIC, CHIP 15PF 5% 50V
 C580 1-164-156-11 s CERAMIC 0.1uF 25V
 C581 1-164-156-11 s CERAMIC 0.1uF 25V
 C582 1-162-968-11 s CERAMIC, CHIP 0.0047uF 10% 50V

C583 1-164-156-11 s CERAMIC 0.1uF 25V
 C584 1-162-966-11 s CERAMIC, CHIP 0.0022uF 10% 50V
 C585 1-164-156-11 s CERAMIC 0.1uF 25V
 C586 1-162-919-11 s CERAMIC, CHIP 22PF 5% 50V
 C587 1-162-919-11 s CERAMIC, CHIP 22PF 5% 50V

C588 1-164-156-11 s CERAMIC 0.1uF 25V
 C589 1-164-156-11 s CERAMIC 0.1uF 25V
 C590 1-164-156-11 s CERAMIC 0.1uF 25V
 C591 1-164-156-11 s CERAMIC 0.1uF 25V
 C592 1-164-156-11 s CERAMIC 0.1uF 25V

C593 1-113-682-11 s TANTALUM CHIP 33uF 20% 10V
 C594 1-164-156-11 s CERAMIC 0.1uF 25V
 C595 1-113-682-11 s TANTALUM CHIP 33uF 20% 10V
 C596 1-164-156-11 s CERAMIC 0.1uF 25V
 C597 1-164-156-11 s CERAMIC 0.1uF 25V

C598 1-164-156-11 s CERAMIC 0.1uF 25V
 C599 1-111-253-11 s TANTALUM 100uF 20% 6.3V
 C600 1-110-569-11 s TANTALUM 47uF 20% 6.3V
 C601 1-164-156-11 s CERAMIC 0.1uF 25V
 C602 1-164-156-11 s CERAMIC 0.1uF 25V

C603 1-164-156-11 s CERAMIC 0.1uF 25V
 C604 1-164-156-11 s CERAMIC 0.1uF 25V
 C605 1-164-156-11 s CERAMIC 0.1uF 25V
 C611 1-164-156-11 s CERAMIC 0.1uF 25V
 C612 1-113-682-11 s TANTALUM CHIP 33uF 20% 10V

C613 1-113-682-11 s TANTALUM CHIP 33uF 20% 10V
 C614 1-164-156-11 s CERAMIC 0.1uF 25V
 C615 1-164-156-11 s CERAMIC 0.1uF 25V
 C616 1-164-156-11 s CERAMIC 0.1uF 25V
 C617 1-107-685-11 s TANTALUM 15uF 20% 6.3V

C618 1-164-156-11 s CERAMIC 0.1uF 25V
 C619 1-164-156-11 s CERAMIC 0.1uF 25V
 C620 1-164-156-11 s CERAMIC 0.1uF 25V
 C621 1-113-682-11 s TANTALUM CHIP 33uF 20% 10V
 C622 1-164-156-11 s CERAMIC 0.1uF 25V

C626 1-164-156-11 s CERAMIC 0.1uF 25V
 C627 1-104-851-11 s TANTALUM, CHIP 10uF 20% 10V
 C629 1-113-682-11 s TANTALUM CHIP 33uF 20% 10V
 C630 1-113-682-11 s TANTALUM CHIP 33uF 20% 10V

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C631 1-113-682-11 s TANTALUM CHIP 33uF 20% 10V
 C632 1-113-682-11 s TANTALUM CHIP 33uF 20% 10V
 C633 1-113-682-11 s TANTALUM CHIP 33uF 20% 10V
 C634 1-113-682-11 s TANTALUM CHIP 33uF 20% 10V
 C635 1-162-927-11 s CERAMIC, CHIP 100PF 5% 50V

C636 1-164-156-11 s CERAMIC 0.1uF 25V
 C637 1-111-253-11 s TANTALUM 100uF 20% 6.3V
 C638 1-164-156-11 s CERAMIC 0.1uF 25V
 C639 1-110-569-11 s TANTALUM 47uF 20% 6.3V
 C640 1-164-156-11 s CERAMIC 0.1uF 25V

C641 1-110-569-11 s TANTALUM 47uF 20% 6.3V
 C642 1-164-156-11 s CERAMIC 0.1uF 25V
 C643 1-111-253-11 s TANTALUM 100uF 20% 6.3V
 C644 1-164-156-11 s CERAMIC 0.1uF 25V
 C645 1-110-569-11 s TANTALUM 47uF 20% 6.3V

C646 1-164-156-11 s CERAMIC 0.1uF 25V
 C648 1-110-569-11 s TANTALUM 47uF 20% 6.3V
 C651 1-164-156-11 s CERAMIC 0.1uF 25V
 C652 1-164-156-11 s CERAMIC 0.1uF 25V
 C653 1-113-682-11 s TANTALUM CHIP 33uF 20% 10V

C654 1-164-156-11 s CERAMIC 0.1uF 25V
 C655 1-104-851-11 s TANTALUM, CHIP 10uF 20% 10V
 C656 1-164-156-11 s CERAMIC 0.1uF 25V
 C657 1-164-156-11 s CERAMIC 0.1uF 25V
 C658 1-164-156-11 s CERAMIC 0.1uF 25V

C659 1-164-156-11 s CERAMIC 0.1uF 25V
 C660 1-164-156-11 s CERAMIC 0.1uF 25V
 C661 1-164-156-11 s CERAMIC 0.1uF 25V
 C663 1-164-156-11 s CERAMIC 0.1uF 25V
 C664 1-164-156-11 s CERAMIC 0.1uF 25V

C665 1-164-156-11 s CERAMIC 0.1uF 25V
 C666 1-164-156-11 s CERAMIC 0.1uF 25V
 C668 1-164-156-11 s CERAMIC 0.1uF 25V
 C669 1-164-156-11 s CERAMIC 0.1uF 25V
 C670 1-164-156-11 s CERAMIC 0.1uF 25V

C672 1-164-156-11 s CERAMIC 0.1uF 25V
 C673 1-164-156-11 s CERAMIC 0.1uF 25V
 C674 1-162-908-11 s CERAMIC 3PF 0.25PF 50V

CP501 1-760-275-11 s OSCILLATOR, CRYSTAL 27MHz

D501 8-719-029-63 s DIODE RD4.3UH-T1
 D502 8-719-029-63 s DIODE RD4.3UH-T1
 D503 8-719-029-63 s DIODE RD4.3UH-T1
 D506 8-719-421-69 s DIODE MA133
 D507 8-719-421-67 s DIODE MA132WK

FB501 1-414-445-11 s INDUCTOR CHIP 0uH
 FB502 1-414-445-11 s INDUCTOR CHIP 0uH
 FB503 1-414-445-11 s INDUCTOR CHIP 0uH
 FB504 1-414-445-11 s INDUCTOR CHIP 0uH

FL501 1-233-753-21 s FILTER, LOW PASS
 FL502 1-233-753-21 s FILTER, LOW PASS
 FL503 1-233-753-21 s FILTER, LOW PASS

IC501 8-759-185-42 s IC LM4040AIM3-2.5
 IC502 8-759-076-06 s IC TL064CPW
 IC503 8-759-086-41 s IC X24C02S-3.0
 IC504 8-759-635-27 s IC M62352GP
 IC505 8-759-173-16 s IC TL062CPW

IC506 8-759-066-59 s IC TC74HC4053AFS

DXC-D30(J,UC)
DXC-D30(CE)

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| IC507 | 8-759-066-61 s | IC TC4053BFS |
| IC508 | 8-759-262-06 s | IC TC4052BFS (ELQ) |
| IC509 | 8-759-066-61 s | IC TC4053BFS |
| IC510 | 8-759-031-84 s | IC SC7S04F |
| IC511 | 8-759-031-84 s | IC SC7S04F |
| IC512 | 8-759-234-20 s | IC TC7S08F |
| IC513 | 8-759-066-61 s | IC TC4053BFS |
| IC514 | 8-759-180-08 s | IC TC74HC4538AFS |
| IC515 | 8-759-079-46 s | IC TC74VHC00FS (EL) |
| IC516 | 8-752-363-60 s | IC CXD2307R-T4 |
| IC517 | 8-759-079-49 s | IC TC74VHC04FS (EL) |
| IC519 | 8-759-079-49 s | IC TC74VHC04FS (EL) |
| IC521 | 8-759-050-53 s | IC SN74HCT08APW-E20 |
| IC522 | 8-759-184-64 s | IC TC4W66FU |
| IC523 | 8-759-173-16 s | IC TL062CPW |
| IC524 | 8-759-031-84 s | IC SC7S04F |
| IC527 | 8-759-066-61 s | IC TC4053BFS |
| IC529 | 8-759-079-49 s | IC TC74VHC04FS (EL) |
| IC530 | 8-759-196-96 s | IC TC7SH08FU-TE85R |
| IC531 | 8-759-079-61 s | IC TC74VHC74FS (EL) |

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| JR501 | 1-216-864-11 s | METAL, CHIP 0 5% 1/16W |
| JR502 | 1-216-864-11 s | METAL, CHIP 0 5% 1/16W |
| JR503 | 1-216-864-11 s | METAL, CHIP 0 5% 1/16W |
| JR504 | 1-216-864-11 s | METAL, CHIP 0 5% 1/16W |
| JR506 | 1-216-864-11 s | METAL, CHIP 0 5% 1/16W |

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| L501 | 1-412-962-11 s | INDUCTOR 82uH |
| L502 | 1-410-656-11 s | INDUCTOR CHIP 150uH |
| L503 | 1-412-955-11 s | INDUCTOR 22uH |
| L504 | 1-412-955-11 s | INDUCTOR 22uH |
| L505 | 1-424-643-11 s | COIL, CHOKE 10uH |
| L506 | 1-412-955-11 s | INDUCTOR 22uH |
| L507 | 1-412-955-11 s | INDUCTOR 22uH |
| L508 | 1-412-955-11 s | INDUCTOR 22uH |
| L509 | 1-412-955-11 s | INDUCTOR 22uH |

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| Q501 | 8-729-101-07 s | TRANSISTOR 2SB798 |
| Q502 | 8-729-101-07 s | TRANSISTOR 2SB798 |
| Q503 | 8-729-807-51 s | TRANSISTOR 2SD1623-S |
| Q505 | 8-729-402-84 s | TRANSISTOR XN4601 |
| Q506 | 8-729-807-51 s | TRANSISTOR 2SD1623-S |

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| Q507 | 8-729-101-07 s | TRANSISTOR 2SB798 |
| Q508 | 8-729-402-19 s | TRANSISTOR XN6501 |
| Q509 | 8-729-122-63 s | TRANSISTOR 2SA1226 |
| Q510 | 8-729-402-84 s | TRANSISTOR XN4601 |
| Q511 | 8-729-402-19 s | TRANSISTOR XN6501 |

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| Q512 | 8-729-122-63 s | TRANSISTOR 2SA1226 |
| Q513 | 8-729-402-84 s | TRANSISTOR XN4601 |
| Q514 | 8-729-402-19 s | TRANSISTOR XN6501 |
| Q515 | 8-729-122-63 s | TRANSISTOR 2SA1226 |
| Q516 | 8-729-402-84 s | TRANSISTOR XN4601 |

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| Q517 | 8-729-026-53 s | TRANSISTOR 2SA1576A-T106-QR |
| Q518 | 8-729-905-38 s | TRANSISTOR 2SC4081T106R |
| Q519 | 8-729-402-84 s | TRANSISTOR XN4601 |
| Q520 | 8-729-402-78 s | TRANSISTOR XN6401 |
| Q521 | 8-729-026-53 s | TRANSISTOR 2SA1576A-T106-QR |
| Q522 | 8-729-026-53 s | TRANSISTOR 2SA1576A-T106-QR |
| Q523 | 8-729-905-38 s | TRANSISTOR 2SC4081T106R |
| Q524 | 8-729-905-38 s | TRANSISTOR 2SC4081T106R |
| Q525 | 8-729-905-38 s | TRANSISTOR 2SC4081T106R |
| Q526 | 8-729-026-53 s | TRANSISTOR 2SA1576A-T106-QR |

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| Q527 | 8-729-905-38 s | TRANSISTOR 2SC4081T106R |
| Q528 | 8-729-402-84 s | TRANSISTOR XN4601 |
| Q529 | 8-729-402-78 s | TRANSISTOR XN6401 |
| Q530 | 8-729-026-53 s | TRANSISTOR 2SA1576A-T106-QR |
| Q531 | 8-729-026-53 s | TRANSISTOR 2SA1576A-T106-QR |

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| Q532 | 8-729-402-19 s | TRANSISTOR XN6501 |
| Q533 | 8-729-026-53 s | TRANSISTOR 2SA1576A-T106-QR |
| Q534 | 8-729-905-38 s | TRANSISTOR 2SC4081T106R |
| Q535 | 8-729-402-78 s | TRANSISTOR XN6401 |
| Q536 | 8-729-403-32 s | TRANSISTOR XN6534 |

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| Q537 | 8-729-402-78 s | TRANSISTOR XN6401 |
| Q538 | 8-729-402-84 s | TRANSISTOR XN4601 |
| Q539 | 8-729-026-53 s | TRANSISTOR 2SA1576A-T106-QR |
| Q540 | 8-729-402-84 s | TRANSISTOR XN4601 |
| Q541 | 8-729-905-38 s | TRANSISTOR 2SC4081T106R |

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| Q542 | 8-729-402-84 s | TRANSISTOR XN4601 |
| Q543 | 8-729-402-84 s | TRANSISTOR XN4601 |
| Q544 | 8-729-026-53 s | TRANSISTOR 2SA1576A-T106-QR |
| Q545 | 8-729-402-19 s | TRANSISTOR XN6501 |
| Q546 | 8-729-402-78 s | TRANSISTOR XN6401 |

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| Q547 | 8-729-905-38 s | TRANSISTOR 2SC4081T106R |
| Q548 | 8-729-402-84 s | TRANSISTOR XN4601 |

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| R501 | 1-216-809-11 s | METAL, CHIP 100 5% 1/16W |
| R502 | 1-216-838-11 s | METAL, CHIP 27K 5% 1/16W |
| R503 | 1-216-833-11 s | METAL, CHIP 10K 5% 1/16W |
| R504 | 1-218-881-11 s | METAL, CHIP 27K 0.50% 1/16W |
| R505 | 1-218-708-11 s | METAL 4.7K 0.50% 1/16W |

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| R506 | 1-218-883-11 s | METAL 33K 0.50% 1/16W |
| R507 | 1-218-881-11 s | METAL, CHIP 27K 0.50% 1/16W |
| R508 | 1-218-708-11 s | METAL 4.7K 0.50% 1/16W |
| R509 | 1-218-883-11 s | METAL 33K 0.50% 1/16W |
| R510 | 1-218-730-11 s | METAL, CHIP 39K 0.50% 1/16W |

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| R511 | 1-218-729-11 s | METAL 36K 0.50% 1/16W |
| R514 | 1-216-827-11 s | METAL, CHIP 3.3K 5% 1/16W |
| R515 | 1-216-839-11 s | METAL, CHIP 33K 5% 1/16W |
| R516 | 1-218-730-11 s | METAL, CHIP 39K 0.50% 1/16W |
| R517 | 1-218-883-11 s | METAL 33K 0.50% 1/16W |

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| R518 | 1-218-724-11 s | METAL 22K 0.50% 1/16W |
| R519 | 1-218-730-11 s | METAL, CHIP 39K 0.50% 1/16W |
| R520 | 1-218-883-11 s | METAL 33K 0.50% 1/16W |
| R521 | 1-218-724-11 s | METAL 22K 0.50% 1/16W |
| R522 | 1-218-730-11 s | METAL, CHIP 39K 0.50% 1/16W |

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| R523 | 1-218-883-11 s | METAL 33K 0.50% 1/16W |
| R524 | 1-218-724-11 s | METAL 22K 0.50% 1/16W |
| R525 | 1-218-716-11 s | METAL 10K 0.50% 1/16W |
| R526 | 1-218-710-11 s | METAL, CHIP 5.6K 0.50% 1/16W |
| R527 | 1-218-700-11 s | METAL 2.2K 0.50% 1/16W |

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| R528 | 1-218-704-11 s | METAL 3.3K 0.50% 1/16W |
| R529 | 1-218-886-11 s | METAL, CHIP 43K 0.50% 1/16W |
| R530 | 1-218-883-11 s | METAL 33K 0.50% 1/16W |
| R531 | 1-218-700-11 s | METAL 2.2K 0.50% 1/16W |
| R532 | 1-218-732-11 s | METAL 47K 0.50% 1/16W |

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| R533 | 1-218-738-11 s | METAL 82K 0.50% 1/16W |
| R534 | 1-218-732-11 s | METAL 47K 0.50% 1/16W |
| R535 | 1-218-738-11 s | METAL 82K 0.50% 1/16W |
| R536 | 1-218-732-11 s | METAL 47K 0.50% 1/16W |
| R537 | 1-218-738-11 s | METAL 82K 0.50% 1/16W |

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| R538 | 1-216-833-11 s | METAL, CHIP 10K 5% 1/16W |
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R539 1-216-829-11 s METAL, CHIP 4.7K 5% 1/16W
 R540 1-216-833-11 s METAL, CHIP 10K 5% 1/16W
 R541 1-216-833-11 s METAL, CHIP 10K 5% 1/16W
 R542 1-216-833-11 s METAL, CHIP 10K 5% 1/16W
 R543 1-218-851-11 s METAL, CHIP 1.5K 0.50% 1/16W

R544 1-218-672-11 s METAL 150 0.50% 1/16W
 R545 1-218-700-11 s METAL 2.2K 0.50% 1/16W
 R546 1-211-991-11 s METAL, CHIP 82 0.50% 1/16W
 R547 1-216-823-11 s METAL, CHIP 1.5K 5% 1/16W
 R548 1-216-829-11 s METAL, CHIP 4.7K 5% 1/16W

R549 1-218-692-11 s METAL, CHIP 1K 0.50% 1/16W
 R550 1-218-700-11 s METAL 2.2K 0.50% 1/16W
 R551 1-218-660-91 s METAL 47 0.50% 1/16W
 R552 1-216-827-11 s METAL, CHIP 3.3K 5% 1/16W
 R553 1-216-829-11 s METAL, CHIP 4.7K 5% 1/16W

R554 1-216-826-11 s METAL, CHIP 2.7K 5% 1/16W
 R555 1-218-695-11 s METAL 1.3K 0.50% 1/16W
 R556 1-218-668-11 s METAL 100 0.50% 1/16W
 R557 1-218-700-11 s METAL 2.2K 0.50% 1/16W
 R558 1-218-833-11 s METAL, CHIP 270 0.50% 1/16W

R559 1-216-823-11 s METAL, CHIP 1.5K 5% 1/16W
 R560 1-216-829-11 s METAL, CHIP 4.7K 5% 1/16W
 R561 1-218-692-11 s METAL, CHIP 1K 0.50% 1/16W
 R562 1-218-856-11 s METAL, CHIP 2.4K 0.50% 1/16W
 R563 1-218-680-11 s METAL 330 0.50% 1/16W

R564 1-216-827-11 s METAL, CHIP 3.3K 5% 1/16W
 R565 1-216-829-11 s METAL, CHIP 4.7K 5% 1/16W
 R566 1-216-826-11 s METAL, CHIP 2.7K 5% 1/16W
 R567 1-218-697-11 s METAL 1.6K 0.50% 1/16W
 R568 1-218-672-11 s METAL 150 0.50% 1/16W

R569 1-218-700-11 s METAL 2.2K 0.50% 1/16W
 R570 1-216-823-11 s METAL, CHIP 1.5K 5% 1/16W
 R571 1-216-829-11 s METAL, CHIP 4.7K 5% 1/16W
 R572 1-218-700-11 s METAL 2.2K 0.50% 1/16W
 R573 1-216-864-11 s METAL, CHIP 0 5% 1/16W

R574 1-218-708-11 s METAL 4.7K 0.50% 1/16W
 R575 1-216-864-11 s METAL, CHIP 0 5% 1/16W
 R576 1-218-700-11 s METAL 2.2K 0.50% 1/16W
 R577 1-216-864-11 s METAL, CHIP 0 5% 1/16W
 R578 1-216-827-11 s METAL, CHIP 3.3K 5% 1/16W

R579 1-216-829-11 s METAL, CHIP 4.7K 5% 1/16W
 R580 1-216-826-11 s METAL, CHIP 2.7K 5% 1/16W
 R581 1-218-676-11 s METAL 220 0.50% 1/16W
 R582 1-218-698-11 s METAL 1.8K 0.50% 1/16W
 R583 1-216-829-11 s METAL, CHIP 4.7K 5% 1/16W

R584 1-216-839-11 s METAL, CHIP 33K 5% 1/16W
 R585 1-218-692-11 s METAL, CHIP 1K 0.50% 1/16W
 R586 1-216-821-11 s METAL, CHIP 1K 5% 1/16W
 R587 1-216-829-11 s METAL, CHIP 4.7K 5% 1/16W
 R588 1-216-823-11 s METAL, CHIP 1.5K 5% 1/16W

R589 1-216-823-11 s METAL, CHIP 1.5K 5% 1/16W
 R590 1-211-990-11 s METAL, CHIP 75 0.50% 1/16W
 R591 1-218-846-11 s METAL, CHIP 910 0.50% 1/16W
 R592 1-216-648-11 s METAL 15 0.50% 1/16W
 R593 1-216-829-11 s METAL, CHIP 4.7K 5% 1/16W

R594 1-216-823-11 s METAL, CHIP 1.5K 5% 1/16W
 R595 1-216-809-11 s METAL, CHIP 100 5% 1/16W
 R596 1-211-987-11 s METAL, CHIP 56 0.50% 1/16W
 R597 1-216-809-11 s METAL, CHIP 100 5% 1/16W

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R598 1-218-828-11 s METAL 160 0.50% 1/16W
 R599 1-218-648-11 s METAL 15 0.50% 1/16W
 R600 1-216-864-11 s METAL, CHIP 0 5% 1/16W
 R601 1-218-840-11 s METAL, CHIP 510 0.50% 1/16W
 R602 1-218-648-11 s METAL 15 0.50% 1/16W

R603 1-216-829-11 s METAL, CHIP 4.7K 5% 1/16W
 R604 1-216-809-11 s METAL, CHIP 100 5% 1/16W
 R605 1-216-809-11 s METAL, CHIP 100 5% 1/16W
 R606 1-216-809-11 s METAL, CHIP 100 5% 1/16W
 R607 1-216-829-11 s METAL, CHIP 4.7K 5% 1/16W

R608 1-218-664-11 s METAL 68 0.50% 1/16W
 R609 1-216-829-11 s METAL, CHIP 4.7K 5% 1/16W
 R610 1-218-664-11 s METAL 68 0.50% 1/16W
 R611 1-216-829-11 s METAL, CHIP 4.7K 5% 1/16W
 R612 1-218-664-11 s METAL 68 0.50% 1/16W

R613 1-218-676-11 s METAL 220 0.50% 1/16W
 R614 1-218-698-11 s METAL 1.8K 0.50% 1/16W
 R615 1-216-829-11 s METAL, CHIP 4.7K 5% 1/16W
 R616 1-216-839-11 s METAL, CHIP 33K 5% 1/16W
 R617 1-218-692-11 s METAL, CHIP 1K 0.50% 1/16W

R618 1-216-821-11 s METAL, CHIP 1K 5% 1/16W
 R619 1-216-829-11 s METAL, CHIP 4.7K 5% 1/16W
 R620 1-216-823-11 s METAL, CHIP 1.5K 5% 1/16W
 R621 1-216-823-11 s METAL, CHIP 1.5K 5% 1/16W
 R622 1-211-990-11 s METAL, CHIP 75 0.50% 1/16W

R623 1-218-846-11 s METAL, CHIP 910 0.50% 1/16W
 R624 1-218-648-11 s METAL 15 0.50% 1/16W
 R625 1-216-829-11 s METAL, CHIP 4.7K 5% 1/16W
 R626 1-216-823-11 s METAL, CHIP 1.5K 5% 1/16W
 R627 1-216-809-11 s METAL, CHIP 100 5% 1/16W

R628 1-211-987-11 s METAL, CHIP 56 0.50% 1/16W
 R629 1-216-809-11 s METAL, CHIP 100 5% 1/16W
 R630 1-218-828-11 s METAL 160 0.50% 1/16W
 R631 1-218-648-11 s METAL 15 0.50% 1/16W
 R632 1-216-864-11 s METAL, CHIP 0 5% 1/16W

R633 1-218-840-11 s METAL, CHIP 510 0.50% 1/16W
 R634 1-218-648-11 s METAL 15 0.50% 1/16W
 R635 1-216-829-11 s METAL, CHIP 4.7K 5% 1/16W
 R636 1-216-809-11 s METAL, CHIP 100 5% 1/16W
 R637 1-216-809-11 s METAL, CHIP 100 5% 1/16W

R638 1-216-829-11 s METAL, CHIP 4.7K 5% 1/16W
 R639 1-216-807-11 s METAL, CHIP 68 5% 1/16W
 R640 1-216-829-11 s METAL, CHIP 4.7K 5% 1/16W
 R641 1-216-807-11 s METAL, CHIP 68 5% 1/16W
 R642 1-218-676-11 s METAL 220 0.50% 1/16W

R643 1-218-698-11 s METAL 1.8K 0.50% 1/16W
 R644 1-216-829-11 s METAL, CHIP 4.7K 5% 1/16W
 R645 1-216-839-11 s METAL, CHIP 33K 5% 1/16W
 R646 1-218-700-11 s METAL 2.2K 0.50% 1/16W
 R647 1-216-853-11 s METAL, CHIP 470K 5% 1/16W

R648 1-216-829-11 s METAL, CHIP 4.7K 5% 1/16W
 R649 1-216-809-11 s METAL, CHIP 100 5% 1/16W
 R650 1-216-839-11 s METAL, CHIP 33K 5% 1/16W
 R651 1-216-829-11 s METAL, CHIP 4.7K 5% 1/16W
 R652 1-216-829-11 s METAL, CHIP 4.7K 5% 1/16W

R653 1-216-823-11 s METAL, CHIP 1.5K 5% 1/16W
 R654 1-216-809-11 s METAL, CHIP 100 5% 1/16W
 R655 1-216-809-11 s METAL, CHIP 100 5% 1/16W
 R656 1-216-823-11 s METAL, CHIP 1.5K 5% 1/16W

(IF-532 BOARD)

Ref. No.
or Q'ty Part No. SP Description

R657 1-216-829-11 s METAL, CHIP 4.7K 5% 1/16W
R658 1-216-809-11 s METAL, CHIP 100 5% 1/16W
R659 1-216-829-11 s METAL, CHIP 4.7K 5% 1/16W
R660 1-216-826-11 s METAL, CHIP 2.7K 5% 1/16W
R661 1-216-825-11 s METAL, CHIP 2.2K 5% 1/16W

R662 1-218-706-11 s METAL 3.9K 0.50% 1/16W
R663 1-218-704-11 s METAL 3.3K 0.50% 1/16W
R664 1-216-821-11 s METAL, CHIP 1K 5% 1/16W
R665 1-216-829-11 s METAL, CHIP 4.7K 5% 1/16W
R666 1-216-821-11 s METAL, CHIP 1K 5% 1/16W

R667 1-216-833-11 s METAL, CHIP 10K 5% 1/16W
R668 1-216-821-11 s METAL, CHIP 1K 5% 1/16W
R669 1-211-987-11 s METAL, CHIP 56 0.50% 1/16W
R670 1-216-809-11 s METAL, CHIP 100 5% 1/16W
R671 1-218-846-11 s METAL, CHIP 910 0.50% 1/16W

R672 1-216-864-11 s METAL, CHIP 0 5% 1/16W
R673 1-216-821-11 s METAL, CHIP 1K 5% 1/16W
R674 1-216-826-11 s METAL, CHIP 2.7K 5% 1/16W
R675 1-218-700-11 s METAL 2.2K 0.50% 1/16W
R676 1-218-700-11 s METAL 2.2K 0.50% 1/16W

R677 1-216-821-11 s METAL, CHIP 1K 5% 1/16W
R678 1-216-821-11 s METAL, CHIP 1K 5% 1/16W
R679 1-218-722-11 s METAL, CHIP 18K 0.50% 1/16W
R680 1-216-829-11 s METAL, CHIP 4.7K 5% 1/16W
R681 1-216-833-11 s METAL, CHIP 10K 5% 1/16W

R682 1-218-833-11 s METAL, CHIP 270 0.50% 1/16W
R683 1-211-974-11 s METAL 16 0.50% 1/16W
R684 1-218-679-91 s METAL, CHIP 300 0.50% 1/16W
R685 1-216-864-11 s METAL, CHIP 0 5% 1/16W
R686 1-218-688-11 s METAL 680 0.50% 1/16W

R687 1-218-651-11 s METAL 20 0.50% 1/16W
R688 1-218-688-11 s METAL 680 0.50% 1/16W
R689 1-211-981-11 s METAL, CHIP 33 0.50% 1/16W
R690 1-216-829-11 s METAL, CHIP 4.7K 5% 1/16W
R691 1-216-823-11 s METAL, CHIP 1.5K 5% 1/16W

R692 1-216-823-11 s METAL, CHIP 1.5K 5% 1/16W
R693 1-218-698-11 s METAL 1.8K 0.50% 1/16W
R694 1-216-833-11 s METAL, CHIP 10K 5% 1/16W
R695 1-218-698-11 s METAL 1.8K 0.50% 1/16W
R696 1-216-833-11 s METAL, CHIP 10K 5% 1/16W

R697 1-218-700-11 s METAL 2.2K 0.50% 1/16W
R698 1-218-700-11 s METAL 2.2K 0.50% 1/16W
R699 1-216-821-11 s METAL, CHIP 1K 5% 1/16W
R700 1-216-833-11 s METAL, CHIP 10K 5% 1/16W
R701 1-216-845-11 s METAL, CHIP 100K 5% 1/16W

R702 1-216-845-11 s METAL, CHIP 100K 5% 1/16W
R703 1-216-833-11 s METAL, CHIP 10K 5% 1/16W
R704 1-216-813-11 s METAL, CHIP 220 5% 1/16W
R705 1-216-813-11 s METAL, CHIP 220 5% 1/16W
R706 1-216-809-11 s METAL, CHIP 100 5% 1/16W

R707 1-216-809-11 s METAL, CHIP 100 5% 1/16W
R709 1-218-676-11 s METAL 220 0.50% 1/16W
R710 1-218-676-11 s METAL 220 0.50% 1/16W
R711 1-218-676-11 s METAL 220 0.50% 1/16W
R712 1-218-702-11 s METAL, CHIP 2.7K 0.50% 1/16W

R713 1-218-702-11 s METAL, CHIP 2.7K 0.50% 1/16W
R714 1-218-702-11 s METAL, CHIP 2.7K 0.50% 1/16W
R715 1-216-809-11 s METAL, CHIP 100 5% 1/16W
R716 1-216-809-11 s METAL, CHIP 100 5% 1/16W

(IF-532 BOARD)

Ref. No.
or Q'ty Part No. SP Description

R717 1-216-809-11 s METAL, CHIP 100 5% 1/16W
R720 1-216-819-11 s METAL, CHIP 680 5% 1/16W
R721 1-216-809-11 s METAL, CHIP 100 5% 1/16W
R722 1-216-809-11 s METAL, CHIP 100 5% 1/16W
R723 1-216-821-11 s METAL, CHIP 1K 5% 1/16W

R724 1-216-821-11 s METAL, CHIP 1K 5% 1/16W
R725 1-216-821-11 s METAL, CHIP 1K 5% 1/16W
R726 1-216-839-11 s METAL, CHIP 33K 5% 1/16W
R727 1-216-833-11 s METAL, CHIP 10K 5% 1/16W
R728 1-216-833-11 s METAL, CHIP 10K 5% 1/16W

R729 1-216-833-11 s METAL, CHIP 10K 5% 1/16W
R730 1-216-821-11 s METAL, CHIP 1K 5% 1/16W
R731 1-216-797-11 s METAL, CHIP 10 5% 1/16W
R732 1-216-857-11 s METAL, CHIP 1M 5% 1/16W
R734 1-216-797-11 s METAL, CHIP 10 5% 1/16W

R738 1-216-823-11 s METAL, CHIP 1.5K 5% 1/16W
R739 1-216-821-11 s METAL, CHIP 1K 5% 1/16W
R740 1-216-821-11 s METAL, CHIP 1K 5% 1/16W
R741 1-216-821-11 s METAL, CHIP 1K 5% 1/16W
R745 1-216-864-11 s METAL, CHIP 0 5% 1/16W

R746 1-216-864-11 s METAL, CHIP 0 5% 1/16W
R747 1-216-864-11 s METAL, CHIP 0 5% 1/16W
R748 1-216-833-11 s METAL, CHIP 10K 5% 1/16W
R749 1-216-833-11 s METAL, CHIP 10K 5% 1/16W
R750 1-218-844-11 s METAL, CHIP 750 0.50% 1/16W

R751 1-211-969-11 s METAL, CHIP 10 0.50% 1/16W
R754 1-216-809-11 s METAL, CHIP 100 5% 1/16W
R755 1-216-809-11 s METAL, CHIP 100 5% 1/16W
R756 1-216-841-11 s METAL, CHIP 47K 5% 1/16W
R757 1-216-809-11 s METAL, CHIP 100 5% 1/16W

R758 1-216-841-11 s METAL, CHIP 47K 5% 1/16W
R759 1-216-833-11 s METAL, CHIP 10K 5% 1/16W
R760 1-216-833-11 s METAL, CHIP 10K 5% 1/16W
R762 1-216-821-11 s METAL, CHIP 1K 5% 1/16W
R763 1-216-819-11 s METAL, CHIP 680 5% 1/16W

R764 1-216-813-11 s METAL, CHIP 220 5% 1/16W
R766 1-216-813-11 s METAL, CHIP 220 5% 1/16W
R767 1-216-821-11 s METAL, CHIP 1K 5% 1/16W
R768 1-216-833-11 s METAL, CHIP 10K 5% 1/16W
R769 1-216-845-11 s METAL, CHIP 100K 5% 1/16W

R770 1-216-821-11 s METAL, CHIP 1K 5% 1/16W
R772 1-215-397-00 s METAL 100 1% 1/6W

RB501 1-236-904-11 s RESISTOR, BLOCK CHIP 1K
RB502 1-236-907-11 s RESISTOR BLOCK, CHIP 100KX4
RB503 1-239-306-11 s RESISTOR BLOCK, CHIP 10KX8
RB504 1-239-306-11 s RESISTOR BLOCK, CHIP 10KX8
RB505 1-239-306-11 s RESISTOR BLOCK, CHIP 10KX8

RB506 1-239-306-11 s RESISTOR BLOCK, CHIP 10KX8
RB508 1-236-904-11 s RESISTOR, BLOCK CHIP 1K
RB509 1-236-904-11 s RESISTOR, BLOCK CHIP 1K
RB510 1-236-908-11 s RESISTOR, NETWORK, CHIP 10k
RB511 1-236-907-11 s RESISTOR BLOCK, CHIP 100KX4

RB512 1-239-419-11 s NETWORK RESISTOR (CHIP) 470
RB513 1-239-419-11 s NETWORK RESISTOR (CHIP) 470
RB514 1-239-419-11 s NETWORK RESISTOR (CHIP) 470

MB-629 BOARD

| Ref. No. or Q'ty | Part No. | SP Description |
|---------------------|--------------|---------------------------------|
| 1pc | A-8311-129-A | o MOUNTED CIRCUIT BOARD, MB-629 |
| 11pcs | 3-729-061-01 | s SCREW (M2X4.5) (TYPE 1) |
| C2 | 1-107-686-11 | s TANTALUM, CHIP 4.7uF 20% 16V |
| C3 | 1-104-851-11 | s TANTALUM, CHIP 10uF 20% 10V |
| C5 | 1-162-970-11 | s CERAMIC, CHIP 0.01uF 10% 25V |
| C6 | 1-126-393-11 | s ELECT 33uF 20% 10V |
| C9 | 1-104-851-11 | s TANTALUM, CHIP 10uF 20% 10V |
| C18 | 1-164-156-11 | s CERAMIC 0.1uF 25V |
| C19 | 1-164-156-11 | s CERAMIC 0.1uF 25V |
| C26 | 1-104-851-11 | s TANTALUM, CHIP 10uF 20% 10V |
| C27 | 1-104-851-11 | s TANTALUM, CHIP 10uF 20% 10V |
| C30 | 1-104-851-11 | s TANTALUM, CHIP 10uF 20% 10V |
| C31 | 1-104-851-11 | s TANTALUM, CHIP 10uF 20% 10V |
| C35 | 1-104-851-11 | s TANTALUM, CHIP 10uF 20% 10V |
| C36 | 1-162-923-11 | s CERAMIC, CHIP 47PF 5% 50V |
| C37 | 1-162-917-11 | s CERAMIC, CHIP 15PF 5% 50V |
| C38 | 1-104-851-11 | s TANTALUM, CHIP 10uF 20% 10V |
| C40 | 1-164-156-11 | s CERAMIC 0.1uF 25V |
| C41 | 1-164-156-11 | s CERAMIC 0.1uF 25V |
| C42 | 1-104-851-11 | s TANTALUM, CHIP 10uF 20% 10V |
| C44 | 1-135-210-11 | s TANTALUM 4.7uF 10% 10V |
| C45 | 1-164-156-11 | s CERAMIC 0.1uF 25V |
| C46 | 1-164-156-11 | s CERAMIC 0.1uF 25V |
| C47 | 1-162-964-11 | s CERAMIC 0.001uF 10% 50V |
| C49 | 1-164-156-11 | s CERAMIC 0.1uF 25V |
| C51 | 1-162-964-11 | s CERAMIC 0.001uF 10% 50V |
| C52 | 1-126-397-11 | s ELECT, CHIP 33uF 20% 25V |
| C53 | 1-126-397-11 | s ELECT, CHIP 33uF 20% 25V |
| C54 | 1-104-851-11 | s TANTALUM, CHIP 10uF 20% 10V |
| C59 | 1-104-851-11 | s TANTALUM, CHIP 10uF 20% 10V |
| C60 | 1-115-339-11 | s CERAMIC 0.1uF 10% 50V |
| C103 | 1-126-393-11 | s ELECT 33uF 20% 10V |
| C104 | 1-104-851-11 | s TANTALUM, CHIP 10uF 20% 10V |
| C105 | 1-126-393-11 | s ELECT 33uF 20% 10V |
| C106 | 1-104-851-11 | s TANTALUM, CHIP 10uF 20% 10V |
| C107 | 1-164-156-11 | s CERAMIC 0.1uF 25V |
| C108 | 1-164-156-11 | s CERAMIC 0.1uF 25V |
| C109 | 1-164-156-11 | s CERAMIC 0.1uF 25V |
| C110 | 1-164-156-11 | s CERAMIC 0.1uF 25V |
| C111 | 1-164-156-11 | s CERAMIC 0.1uF 25V |
| C201 | 1-104-851-11 | s TANTALUM, CHIP 10uF 20% 10V |
| C202 | 1-113-500-11 | s TANTALUM 100uF 20% 10V |
| C203 | 1-162-910-11 | s CERAMIC 5PF 0.25PF 50V |
| C204 | 1-104-551-11 | s FILM 0.01uF 5% 16V |
| C205 | 1-104-551-11 | s FILM 0.01uF 5% 16V |
| C206 | 1-164-156-11 | s CERAMIC 0.1uF 25V |
| C207 | 1-164-156-11 | s CERAMIC 0.1uF 25V |
| C209 | 1-162-910-11 | s CERAMIC 5PF 0.25PF 50V |
| C210 | 1-104-563-11 | s FILM, CHIP 0.1uF 5% 16V |
| C211 | 1-104-563-11 | s FILM, CHIP 0.1uF 5% 16V |
| C212 | 1-164-156-11 | s CERAMIC 0.1uF 25V |
| C213 | 1-164-156-11 | s CERAMIC 0.1uF 25V |
| C214 | 1-104-563-11 | s FILM, CHIP 0.1uF 5% 16V |
| C215 | 1-104-563-11 | s FILM, CHIP 0.1uF 5% 16V |
| C216 | 1-164-156-11 | s CERAMIC 0.1uF 25V |
| C217 | 1-164-156-11 | s CERAMIC 0.1uF 25V |
| C218 | 1-104-823-11 | s TANTALUM, CHIP 47uF 20% 16V |
| C219 | 1-115-154-21 | s ELECT 10uF 20% 16V |

(MB-629 BOARD)

| Ref. No. or Q'ty | Part No. | SP Description |
|---------------------|--------------|------------------------------------|
| C220 | 1-115-154-21 | s ELECT 10uF 20% 16V |
| C221 | 1-115-154-21 | s ELECT 10uF 20% 16V |
| C222 | 1-104-823-11 | s TANTALUM, CHIP 47uF 20% 16V |
| C223 | 1-113-500-11 | s TANTALUM 100uF 20% 10V |
| CN1 | 1-770-454-21 | o CONNECTOR, BOARD TO BOARD 70P |
| CN2 | 1-573-806-21 | s PIN, CONNECTOR (1.5MM) (SMD) 6P |
| CN103 | 1-569-035-11 | o CONNECTOR, FPC (ZIF) 30P |
| CN105 | 1-695-320-51 | o CONNECTOR (1.5MM) (SMD) 2P MALE |
| CN106 | 1-695-320-31 | o CONNECTOR (1.5MM) (SMD) 2P MALE |
| CN107 | 1-695-320-71 | o PIN, CONNECTOR (1.5MM) 2P |
| CN108 | 1-770-454-21 | o CONNECTOR, BOARD TO BOARD 70P |
| CN111 | 1-691-845-11 | o CONNECTOR (SQUARE TYPE) 50P |
| CN112 | 1-569-531-11 | s HOUSING, CONNECTOR 20P |
| CN113 | 1-569-531-11 | s HOUSING, CONNECTOR 20P |
| CN114 | 1-569-531-11 | s HOUSING, CONNECTOR 20P |
| CN116 | 1-778-656-11 | o CONNECTOR, BOARD TO BOARD 24P |
| CN117 | 1-778-655-11 | o PIN, CONNECTOR 2P |
| CN118 | 1-766-383-11 | o CONNECTOR (1.5MM) (SMD) 12P MALE |
| CN119 | 1-573-806-21 | s PIN, CONNECTOR (1.5MM) (SMD) 6P |
| CN120 | 1-695-320-21 | o CONNECTOR (1.5MM) (SMD) 2P MALE |
| CN121 | 1-766-383-11 | o CONNECTOR (1.5MM) (SMD) 12P MALE |
| CN122 | 1-691-551-11 | s PIN, CONNECTOR 8P |
| CN123 | 1-695-320-21 | o CONNECTOR (1.5MM) (SMD) 2P MALE |
| CV1 | 1-141-368-11 | s CAP, CHIP TRIMMER |
| D1 | 8-719-800-76 | s DIODE 1SS226 |
| D2 | 8-719-027-95 | s DIODE HSM88WK |
| D3 | 8-719-800-76 | s DIODE 1SS226 |
| D5 | 8-719-974-76 | s DIODE HSM107S |
| D6 | 8-719-421-69 | s DIODE MA133 |
| D7 | 8-719-421-69 | s DIODE MA133 |
| D8 | 8-719-421-69 | s DIODE MA133 |
| D9 | 8-719-421-69 | s DIODE MA133 |
| D10 | 8-719-421-69 | s DIODE MA133 |
| FB102 | 1-414-445-11 | s INDUCTOR CHIP 0uH |
| FB103 | 1-414-445-11 | s INDUCTOR CHIP 0uH |
| FB104 | 1-414-445-11 | s INDUCTOR CHIP 0uH |
| FB105 | 1-414-445-11 | s INDUCTOR CHIP 0uH |
| FB106 | 1-414-445-11 | s INDUCTOR CHIP 0uH |
| FB107 | 1-414-445-11 | s INDUCTOR CHIP 0uH |
| FB109 | 1-414-445-11 | s INDUCTOR CHIP 0uH |
| FB110 | 1-414-445-11 | s INDUCTOR CHIP 0uH |
| FB114 | 1-414-445-11 | s INDUCTOR CHIP 0uH |
| FB115 | 1-414-445-11 | s INDUCTOR CHIP 0uH |
| FB116 | 1-414-445-11 | s INDUCTOR CHIP 0uH |
| FB117 | 1-414-445-11 | s INDUCTOR CHIP 0uH |
| FB118 | 1-414-445-11 | s INDUCTOR CHIP 0uH |
| FB119 | 1-414-445-11 | s INDUCTOR CHIP 0uH |
| FB120 | 1-414-445-11 | s INDUCTOR CHIP 0uH |
| FB121 | 1-414-445-11 | s INDUCTOR CHIP 0uH |
| FB122 | 1-414-445-11 | s INDUCTOR CHIP 0uH |
| FB123 | 1-414-445-11 | s INDUCTOR CHIP 0uH |
| FB124 | 1-414-445-11 | s INDUCTOR CHIP 0uH |
| IC1 | 8-759-234-20 | s IC TC7S08F |
| IC2 | 8-759-234-20 | s IC TC7S08F |
| IC3 | 8-759-050-94 | s IC SN74HC165APW-E05 |
| IC6 | 8-759-049-76 | s IC SN74HC244APW-E05 |
| IC9 | 8-759-399-63 | s IC X24325S |

(MB-629 BOARD)

| Ref. No. or Q'ty | Part No. | SP Description |
|---------------------|----------------|-----------------------------|
| IC10 | 8-759-268-32 s | IC SN74HC595ADB-E05 |
| IC11 | 8-752-381-56 s | IC CXD1095AR |
| IC12 | 8-759-065-20 s | IC RTC-4553B |
| IC13 | 8-759-430-61 s | IC UPD6453GT-658 |
| IC15 | 8-759-338-95 s | IC NJM2903V(TE2) |
| IC16 | 8-759-076-06 s | IC TL064CPW |
| IC17 | 8-759-278-11 s | IC TC4051BFS(EL) |
| IC18 | 8-759-173-16 s | IC TL062CPW |
| IC21 | 8-759-082-57 s | IC TC7W04FU |
| IC22 | 8-759-234-20 s | IC TC7S08F |
| IC102 | 8-759-173-16 s | IC TL062CPW |
| IC201 | 8-759-031-84 s | IC SC7S04F |
| IC202 | 8-759-173-16 s | IC TL062CPW |
| IC203 | 8-759-700-09 s | IC NJM2043M-D |
| IC204 | 8-759-262-06 s | IC TC4052BFS(ELQ) |
| IC205 | 8-759-700-09 s | IC NJM2043M-D |
| L1 | 1-412-955-11 s | INDUCTOR 22uH |
| L2 | 1-412-955-11 s | INDUCTOR 22uH |
| L3 | 1-412-963-11 s | INDUCTOR 100uH |
| L4 | 1-412-955-11 s | INDUCTOR 22uH |
| L7 | 1-412-955-11 s | INDUCTOR 22uH |
| L8 | 1-412-955-11 s | INDUCTOR 22uH |
| L9 | 1-412-955-11 s | INDUCTOR 22uH |
| L10 | 1-412-955-11 s | INDUCTOR 22uH |
| L11 | 1-412-957-11 s | INDUCTOR 33uH |
| L12 | 1-412-955-11 s | INDUCTOR 22uH |
| L13 | 1-412-955-11 s | INDUCTOR 22uH |
| L14 | 1-412-282-41 s | INDUCTOR 470uH |
| L15 | 1-412-282-41 s | INDUCTOR 470uH |
| L16 | 1-412-955-11 s | INDUCTOR 22uH |
| L101 | 1-412-026-11 s | INDUCTOR CHIP 1uH |
| L102 | 1-412-026-11 s | INDUCTOR CHIP 1uH |
| L103 | 1-412-026-11 s | INDUCTOR CHIP 1uH |
| Q1 | 8-729-402-19 s | TRANSISTOR XN6501 |
| Q2 | 8-729-402-19 s | TRANSISTOR XN6501 |
| Q5 | 8-729-402-19 s | TRANSISTOR XN6501 |
| Q6 | 8-729-402-19 s | TRANSISTOR XN6501 |
| Q7 | 8-729-402-19 s | TRANSISTOR XN6501 |
| Q8 | 8-729-905-38 s | TRANSISTOR 2SC4081T106R |
| Q9 | 8-729-905-38 s | TRANSISTOR 2SC4081T106R |
| Q10 | 8-729-905-38 s | TRANSISTOR 2SC4081T106R |
| Q11 | 8-729-402-84 s | TRANSISTOR XN4601 |
| Q12 | 8-729-142-90 s | TRANSISTOR 2SK853-K5 |
| Q13 | 8-729-141-75 s | TRANSISTOR 2SD596DV345 |
| Q14 | 8-729-141-48 s | TRANSISTOR 2SB624-BV345 |
| Q15 | 8-729-026-53 s | TRANSISTOR 2SA1576A-T106-QR |
| Q16 | 8-729-905-38 s | TRANSISTOR 2SC4081T106R |
| Q17 | 8-729-026-53 s | TRANSISTOR 2SA1576A-T106-QR |
| Q18 | 8-729-119-78 s | TRANSISTOR 2SC2603-E |
| Q101 | 8-729-101-07 s | TRANSISTOR 2SB798 |
| Q102 | 8-729-101-07 s | TRANSISTOR 2SB798 |
| Q103 | 8-729-905-38 s | TRANSISTOR 2SC4081T106R |
| Q201 | 8-729-905-38 s | TRANSISTOR 2SC4081T106R |
| Q202 | 8-729-026-53 s | TRANSISTOR 2SA1576A-T106-QR |
| R1 | 1-216-822-11 s | METAL, CHIP 1.2K 5% 1/16W |
| R2 | 1-216-822-11 s | METAL, CHIP 1.2K 5% 1/16W |
| R3 | 1-216-822-11 s | METAL, CHIP 1.2K 5% 1/16W |

(MB-629 BOARD)

| Ref. No. or Q'ty | Part No. | SP Description |
|---------------------|----------------|------------------------------|
| R4 | 1-216-822-11 s | METAL, CHIP 1.2K 5% 1/16W |
| R5 | 1-216-837-11 s | METAL, CHIP 22K 5% 1/16W |
| R6 | 1-216-841-11 s | METAL, CHIP 47K 5% 1/16W |
| R7 | 1-216-837-11 s | METAL, CHIP 22K 5% 1/16W |
| R8 | 1-216-841-11 s | METAL, CHIP 47K 5% 1/16W |
| R9 | 1-216-841-11 s | METAL, CHIP 47K 5% 1/16W |
| R10 | 1-216-841-11 s | METAL, CHIP 47K 5% 1/16W |
| R11 | 1-216-845-11 s | METAL, CHIP 100K 5% 1/16W |
| R20 | 1-216-809-11 s | METAL, CHIP 100 5% 1/16W |
| R23 | 1-218-883-11 s | METAL 33K 0.50% 1/16W |
| R24 | 1-216-827-11 s | METAL, CHIP 3.3K 5% 1/16W |
| R25 | 1-216-809-11 s | METAL, CHIP 100 5% 1/16W |
| R29 | 1-216-837-11 s | METAL, CHIP 22K 5% 1/16W |
| R30 | 1-216-837-11 s | METAL, CHIP 22K 5% 1/16W |
| R31 | 1-216-845-11 s | METAL, CHIP 100K 5% 1/16W |
| R32 | 1-216-845-11 s | METAL, CHIP 100K 5% 1/16W |
| R33 | 1-216-837-11 s | METAL, CHIP 22K 5% 1/16W |
| R34 | 1-216-833-11 s | METAL, CHIP 10K 5% 1/16W |
| R35 | 1-216-829-11 s | METAL, CHIP 4.7K 5% 1/16W |
| R40 | 1-218-720-11 s | METAL 15K 0.50% 1/16W |
| R41 | 1-218-722-11 s | METAL, CHIP 18K 0.50% 1/16W |
| R42 | 1-218-724-11 s | METAL 22K 0.50% 1/16W |
| R44 | 1-216-797-11 s | METAL, CHIP 10 5% 1/16W |
| R45 | 1-216-833-11 s | METAL, CHIP 10K 5% 1/16W |
| R46 | 1-216-822-11 s | METAL, CHIP 1.2K 5% 1/16W |
| R47 | 1-216-845-11 s | METAL, CHIP 100K 5% 1/16W |
| R48 | 1-216-833-11 s | METAL, CHIP 10K 5% 1/16W |
| R49 | 1-218-708-11 s | METAL 4.7K 0.50% 1/16W |
| R50 | 1-218-708-11 s | METAL 4.7K 0.50% 1/16W |
| R51 | 1-218-889-11 s | METAL, CHIP 56K 0.50% 1/16W |
| R52 | 1-218-889-11 s | METAL, CHIP 56K 0.50% 1/16W |
| R53 | 1-216-797-11 s | METAL, CHIP 10 5% 1/16W |
| R54 | 1-216-829-11 s | METAL, CHIP 4.7K 5% 1/16W |
| R55 | 1-216-837-11 s | METAL, CHIP 22K 5% 1/16W |
| R56 | 1-216-845-11 s | METAL, CHIP 100K 5% 1/16W |
| R57 | 1-216-829-11 s | METAL, CHIP 4.7K 5% 1/16W |
| R58 | 1-216-829-11 s | METAL, CHIP 4.7K 5% 1/16W |
| R59 | 1-218-692-11 s | METAL, CHIP 1K 0.50% 1/16W |
| R60 | 1-218-692-11 s | METAL, CHIP 1K 0.50% 1/16W |
| R61 | 1-218-706-11 s | METAL 3.9K 0.50% 1/16W |
| R62 | 1-218-692-11 s | METAL, CHIP 1K 0.50% 1/16W |
| R63 | 1-218-738-11 s | METAL 82K 0.50% 1/16W |
| R64 | 1-218-738-11 s | METAL 82K 0.50% 1/16W |
| R65 | 1-218-716-11 s | METAL 10K 0.50% 1/16W |
| R66 | 1-218-724-11 s | METAL 22K 0.50% 1/16W |
| R67 | 1-218-724-11 s | METAL 22K 0.50% 1/16W |
| R68 | 1-218-716-11 s | METAL 10K 0.50% 1/16W |
| R69 | 1-218-716-11 s | METAL 10K 0.50% 1/16W |
| R70 | 1-218-706-11 s | METAL 3.9K 0.50% 1/16W |
| R71 | 1-218-867-11 s | METAL, CHIP 6.8K 0.50% 1/16W |
| R72 | 1-218-724-11 s | METAL 22K 0.50% 1/16W |
| R73 | 1-218-714-11 s | METAL 8.2K 0.50% 1/16W |
| R74 | 1-218-710-11 s | METAL, CHIP 5.6K 0.50% 1/16W |
| R75 | 1-216-829-11 s | METAL, CHIP 4.7K 5% 1/16W |
| R76 | 1-216-857-11 s | METAL, CHIP 1M 5% 1/16W |
| R77 | 1-216-845-11 s | METAL, CHIP 100K 5% 1/16W |
| R78 | 1-216-845-11 s | METAL, CHIP 100K 5% 1/16W |
| R79 | 1-216-807-11 s | METAL, CHIP 68 5% 1/16W |
| R80 | 1-216-807-11 s | METAL, CHIP 68 5% 1/16W |

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Ref. No.
or Q'ty Part No. SP Description

| | |
|------|---|
| R81 | 1-216-833-11 s METAL, CHIP 10K 5% 1/16W |
| R82 | 1-216-807-11 s METAL, CHIP 68 5% 1/16W |
| R83 | 1-216-807-11 s METAL, CHIP 68 5% 1/16W |
| R84 | 1-216-845-11 s METAL, CHIP 100K 5% 1/16W |
| R85 | 1-216-809-11 s METAL, CHIP 100 5% 1/16W |
| R87 | 1-216-841-11 s METAL, CHIP 47K 5% 1/16W |
| R88 | 1-216-833-11 s METAL, CHIP 10K 5% 1/16W |
| R89 | 1-216-833-11 s METAL, CHIP 10K 5% 1/16W |
| R90 | 1-216-821-11 s METAL, CHIP 1K 5% 1/16W |
| R91 | 1-216-821-11 s METAL, CHIP 1K 5% 1/16W |
| R92 | 1-216-821-11 s METAL, CHIP 1K 5% 1/16W |
| R93 | 1-216-821-11 s METAL, CHIP 1K 5% 1/16W |
| R94 | 1-216-821-11 s METAL, CHIP 1K 5% 1/16W |
| R99 | 1-216-829-11 s METAL, CHIP 4.7K 5% 1/16W |
| R106 | 1-218-881-11 s METAL, CHIP 27K 0.50% 1/16W |
| R107 | 1-218-708-11 s METAL 4.7K 0.50% 1/16W |
| R108 | 1-218-883-11 s METAL 33K 0.50% 1/16W |
| R109 | 1-218-851-11 s METAL, CHIP 1.5K 0.50% 1/16W |
| R110 | 1-218-881-11 s METAL, CHIP 27K 0.50% 1/16W |
| R111 | 1-218-708-11 s METAL 4.7K 0.50% 1/16W |
| R112 | 1-218-883-11 s METAL 33K 0.50% 1/16W |
| R113 | 1-218-851-11 s METAL, CHIP 1.5K 0.50% 1/16W |
| R114 | 1-216-822-11 s METAL, CHIP 1.2K 5% 1/16W |
| R116 | 1-216-864-11 s METAL, CHIP 0 5% 1/16W |
| R118 | 1-216-864-11 s METAL, CHIP 0 5% 1/16W |
| R119 | 1-216-829-11 s METAL, CHIP 4.7K 5% 1/16W |
| R120 | 1-216-797-11 s METAL, CHIP 10 5% 1/16W |
| R122 | 1-216-864-11 s METAL, CHIP 0 5% 1/16W |
| R123 | 1-216-864-11 s METAL, CHIP 0 5% 1/16W |
| R124 | 1-216-864-11 s METAL, CHIP 0 5% 1/16W |
| R125 | 1-216-864-11 s METAL, CHIP 0 5% 1/16W |
| R201 | 1-216-829-11 s METAL, CHIP 4.7K 5% 1/16W |
| R202 | 1-216-797-11 s METAL, CHIP 10 5% 1/16W |
| R203 | 1-216-843-11 s METAL, CHIP 68K 5% 1/16W |
| R204 | 1-216-841-11 s METAL, CHIP 47K 5% 1/16W |
| R205 | 1-216-822-11 s METAL, CHIP 1.2K 5% 1/16W |
| R206 | 1-216-849-11 s METAL, CHIP 220K 5% 1/16W |
| R207 | 1-218-851-11 s METAL, CHIP 1.5K 0.50% 1/16W |
| R208 | 1-218-851-11 s METAL, CHIP 1.5K 0.50% 1/16W |
| R209 | 1-218-700-11 s METAL 2.2K 0.50% 1/16W |
| R210 | 1-211-977-11 s METAL, CHIP 22 0.50% 1/16W |
| R213 | 1-218-700-11 s METAL 2.2K 0.50% 1/16W |
| R214 | 1-211-977-11 s METAL, CHIP 22 0.50% 1/16W |
| R217 | 1-218-706-11 s METAL 3.9K 0.50% 1/16W |
| R218 | 1-218-720-11 s METAL 15K 0.50% 1/16W |
| R219 | 1-218-706-11 s METAL 3.9K 0.50% 1/16W |
| R220 | 1-218-720-11 s METAL 15K 0.50% 1/16W |
| R221 | 1-216-822-11 s METAL, CHIP 1.2K 5% 1/16W |
| R222 | 1-216-822-11 s METAL, CHIP 1.2K 5% 1/16W |
| R223 | 1-216-829-11 s METAL, CHIP 4.7K 5% 1/16W |
| R224 | 1-218-733-11 s METAL 51K 0.50% 1/16W |
| R225 | 1-218-733-11 s METAL 51K 0.50% 1/16W |
| R226 | 1-216-833-11 s METAL, CHIP 10K 5% 1/16W |
| R227 | 1-216-833-11 s METAL, CHIP 10K 5% 1/16W |
| R229 | 1-216-813-11 s METAL, CHIP 220 5% 1/16W |
| R230 | 1-216-864-11 s METAL, CHIP 0 5% 1/16W |
| R231 | 1-216-797-11 s METAL, CHIP 10 5% 1/16W |
| R232 | 1-216-797-11 s METAL, CHIP 10 5% 1/16W |
| R233 | 1-216-864-11 s METAL, CHIP 0 5% 1/16W |

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Ref. No.
or Q'ty Part No. SP Description

| | |
|-------|---|
| R234 | 1-216-822-11 s METAL, CHIP 1.2K 5% 1/16W |
| R301 | 1-216-845-11 s METAL, CHIP 100K 5% 1/16W |
| R302 | 1-216-821-11 s METAL, CHIP 1K 5% 1/16W |
| R303 | 1-216-821-11 s METAL, CHIP 1K 5% 1/16W |
| R304 | 1-216-817-11 s METAL, CHIP 470 5% 1/16W |
| R305 | 1-216-817-11 s METAL, CHIP 470 5% 1/16W |
| R306 | 1-216-841-11 s METAL, CHIP 47K 5% 1/16W |
| R307 | 1-216-841-11 s METAL, CHIP 47K 5% 1/16W |
| R308 | 1-216-837-11 s METAL, CHIP 22K 5% 1/16W |
| R309 | 1-216-833-11 s METAL, CHIP 10K 5% 1/16W |
| R310 | 1-216-833-11 s METAL, CHIP 10K 5% 1/16W |
| R311 | 1-216-833-11 s METAL, CHIP 10K 5% 1/16W |
| R312 | 1-216-845-11 s METAL, CHIP 100K 5% 1/16W |
| R313 | 1-216-845-11 s METAL, CHIP 100K 5% 1/16W |
| R314 | 1-216-845-11 s METAL, CHIP 100K 5% 1/16W |
| R315 | 1-216-845-11 s METAL, CHIP 100K 5% 1/16W |
| R316 | 1-216-845-11 s METAL, CHIP 100K 5% 1/16W |
| R317 | 1-216-845-11 s METAL, CHIP 100K 5% 1/16W |
| R318 | 1-216-845-11 s METAL, CHIP 100K 5% 1/16W |
| R319 | 1-216-845-11 s METAL, CHIP 100K 5% 1/16W |
| R320 | 1-216-845-11 s METAL, CHIP 100K 5% 1/16W |
| R322 | 1-247-871-11 s CARBON 47K 5% 1/4W |
| RB2 | 1-239-309-11 s RESISTOR BLOCK, CHIP 100K |
| RB4 | 1-236-907-11 s RESISTOR BLOCK, CHIP 100KX4 |
| RB5 | 1-236-907-11 s RESISTOR BLOCK, CHIP 100KX4 |
| RB6 | 1-236-907-11 s RESISTOR BLOCK, CHIP 100KX4 |
| RB7 | 1-239-430-11 s NETWORK RESISTOR (CHIP) 4.7K |
| RB9 | 1-236-904-11 s RESISTOR, BLOCK CHIP 1K |
| RB10 | 1-236-904-11 s RESISTOR, BLOCK CHIP 1K |
| RB11 | 1-236-904-11 s RESISTOR, BLOCK CHIP 1K |
| RV201 | 1-238-855-11 s RES, ADJ, METAL 4.7K |

PA-187(B) BOARD

| Ref. No. or Q'ty | Part No. | SP Description |
|---------------------|----------------|----------------------------------|
| 1pc | 1-565-977-11 s | CONTACT, FEMALE AWG 28-32 |
| 1pc | 1-569-679-11 o | CONTACT, FEMALE |
| 1pc | 1-569-680-11 o | HOUSING, CONNECTOR 2P |
| C1 | 1-135-213-21 s | TANTALUM, CHIP 3.3uF 20% 25V |
| C2 | 1-107-690-11 s | TANTALUM 6.8uF 20% 35V |
| C3 | 1-135-213-21 s | TANTALUM, CHIP 3.3uF 20% 25V |
| C4 | 1-162-970-11 s | CERAMIC, CHIP 0.01uF 10% 25V |
| C5 | 1-135-213-21 s | TANTALUM, CHIP 3.3uF 20% 25V |
| C6 | 1-135-213-21 s | TANTALUM, CHIP 3.3uF 20% 25V |
| C7 | 1-162-959-11 s | CERAMIC 330PF 5% 50V |
| C8 | 1-104-914-11 s | TANTALUM 22uF 20% 16V |
| C10 | 1-162-970-11 s | CERAMIC, CHIP 0.01uF 10% 25V |
| C12 | 1-107-690-11 s | TANTALUM 6.8uF 20% 35V |
| C14 | 1-107-690-11 s | TANTALUM 6.8uF 20% 35V |
| C17 | 1-164-156-11 s | CERAMIC 0.1uF 25V |
| C18 | 1-162-923-11 s | CERAMIC, CHIP 47PF 5% 50V |
| C19 | 1-164-156-11 s | CERAMIC 0.1uF 25V |
| C20 | 1-164-156-11 s | CERAMIC 0.1uF 25V |
| C21 | 1-162-923-11 s | CERAMIC, CHIP 47PF 5% 50V |
| C23 | 1-162-923-11 s | CERAMIC, CHIP 47PF 5% 50V |
| C27 | 1-135-259-11 s | TANTALUM 10uF 20% 6.3V |
| C28 | 1-164-156-11 s | CERAMIC 0.1uF 25V |
| C29 | 1-162-907-11 s | CERAMIC, CHIP 2PF 50V |
| C30 | 1-113-682-11 s | TANTALUM CHIP 33uF 20% 10V |
| C31 | 1-162-907-11 s | CERAMIC, CHIP 2PF 50V |
| C32 | 1-162-910-11 s | CERAMIC 5PF 0.25PF 50V |
| C33 | 1-164-156-11 s | CERAMIC 0.1uF 25V |
| C34 | 1-113-991-11 s | TANTALUM 33uF 20% 16V |
| C35 | 1-164-156-11 s | CERAMIC 0.1uF 25V |
| C36 | 1-164-156-11 s | CERAMIC 0.1uF 25V |
| C37 | 1-113-500-11 s | TANTALUM 100uF 20% 10V |
| C38 | 1-164-156-11 s | CERAMIC 0.1uF 25V |
| C39 | 1-164-156-11 s | CERAMIC 0.1uF 25V |
| C40 | 1-164-156-11 s | CERAMIC 0.1uF 25V |
| C41 | 1-162-970-11 s | CERAMIC, CHIP 0.01uF 10% 25V |
| C44 | 1-164-156-11 s | CERAMIC 0.1uF 25V |
| C45 | 1-135-177-21 s | TANTALUM, CHIP 1uF 10% 25V |
| C46 | 1-107-690-11 s | TANTALUM 6.8uF 20% 35V |
| C47 | 1-162-970-11 s | CERAMIC, CHIP 0.01uF 10% 25V |
| C48 | 1-104-851-11 s | TANTALUM, CHIP 10uF 20% 10V |
| C49 | 1-113-500-11 s | TANTALUM 100uF 20% 10V |
| C50 | 1-113-500-11 s | TANTALUM 100uF 20% 10V |
| C51 | 1-164-156-11 s | CERAMIC 0.1uF 25V |
| C55 | 1-162-923-11 s | CERAMIC, CHIP 47PF 5% 50V |
| C56 | 1-164-156-11 s | CERAMIC 0.1uF 25V |
| C57 | 1-162-923-11 s | CERAMIC, CHIP 47PF 5% 50V |
| C58 | 1-164-156-11 s | CERAMIC 0.1uF 25V |
| C59 | 1-164-156-11 s | CERAMIC 0.1uF 25V |
| C61 | 1-113-682-11 s | TANTALUM CHIP 33uF 20% 10V |
| C62 | 1-131-381-11 s | TANTALUM 47uF 20% 10V |
| CN1 | 1-766-383-11 o | CONNECTOR (1.5MM) (SMD) 12P MALE |
| CN2 | 1-766-382-11 o | CONNECTOR (1.5MM) (SMD) 10P MALE |
| CN3 | 1-695-320-21 o | CONNECTOR (1.5MM) (SMD) 2P MALE |
| D1 | 8-719-059-50 s | DIODE MA3J142DOLSO |
| D2 | 8-719-059-50 s | DIODE MA3J142DOLSO |
| D4 | 8-719-017-42 s | DIODE HSM88WA |
| FB1 | 1-543-775-11 s | FILTER, EMI |

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| Ref. No. or Q'ty | Part No. | SP Description |
|---------------------|----------------|------------------------------|
| IC2 | 8-759-058-62 s | IC TC7S08FU(TE85R) |
| IC4 | 8-759-985-17 s | IC 74AC04SJ |
| IC5 | 8-759-058-62 s | IC TC7S08FU(TE85R) |
| IC6 | 8-759-058-62 s | IC TC7S08FU(TE85R) |
| Q1 | 8-729-402-19 s | TRANSISTOR XN6501 |
| Q2 | 8-729-117-32 s | TRANSISTOR 2SC4177 |
| Q3 | 8-729-101-25 s | TRANSISTOR 2SC1009A |
| Q5 | 8-729-143-07 s | TRANSISTOR 2SA1610-Y33 |
| Q7 | 8-729-143-07 s | TRANSISTOR 2SA1610-Y33 |
| Q8 | 8-729-143-07 s | TRANSISTOR 2SA1610-Y33 |
| Q9 | 8-769-401-67 s | TRANSISTOR 3SK163-1 |
| Q10 | 8-729-117-32 s | TRANSISTOR 2SC4177 |
| Q11 | 8-729-143-07 s | TRANSISTOR 2SA1610-Y33 |
| Q12 | 8-729-117-32 s | TRANSISTOR 2SC4177 |
| Q13 | 8-769-401-67 s | TRANSISTOR 3SK163-1 |
| Q14 | 8-729-143-07 s | TRANSISTOR 2SA1610-Y33 |
| Q15 | 8-729-117-32 s | TRANSISTOR 2SC4177 |
| Q16 | 8-769-401-67 s | TRANSISTOR 3SK163-1 |
| Q18 | 8-729-117-32 s | TRANSISTOR 2SC4177 |
| Q24 | 8-729-143-07 s | TRANSISTOR 2SA1610-Y33 |
| Q25 | 8-729-143-07 s | TRANSISTOR 2SA1610-Y33 |
| Q26 | 8-729-143-07 s | TRANSISTOR 2SA1610-Y33 |
| Q27 | 8-729-143-13 s | TRANSISTOR 2SC4176-B34 |
| Q28 | 8-729-117-32 s | TRANSISTOR 2SC4177 |
| Q29 | 8-729-117-32 s | TRANSISTOR 2SC4177 |
| Q32 | 8-729-143-07 s | TRANSISTOR 2SA1610-Y33 |
| Q33 | 8-729-143-07 s | TRANSISTOR 2SA1610-Y33 |
| Q35 | 8-729-117-32 s | TRANSISTOR 2SC4177 |
| Q36 | 8-729-117-16 s | TRANSISTOR 2SA1611-M6 |
| Q37 | 8-769-401-67 s | TRANSISTOR 3SK163-1 |
| Q38 | 8-729-117-32 s | TRANSISTOR 2SC4177 |
| Q39 | 8-729-117-16 s | TRANSISTOR 2SA1611-M6 |
| Q40 | 8-769-401-67 s | TRANSISTOR 3SK163-1 |
| R1 | 1-218-716-11 s | METAL 10K 0.50% 1/16W |
| R3 | 1-218-732-11 s | METAL 47K 0.50% 1/16W |
| R4 | 1-218-730-11 s | METAL, CHIP 39K 0.50% 1/16W |
| R5 | 1-216-857-11 s | METAL, CHIP 1M 5% 1/16W |
| R6 | 1-218-883-11 s | METAL 33K 0.50% 1/16W |
| R7 | 1-218-716-11 s | METAL 10K 0.50% 1/16W |
| R8 | 1-216-857-11 s | METAL, CHIP 1M 5% 1/16W |
| R9 | 1-218-716-11 s | METAL 10K 0.50% 1/16W |
| R10 | 1-218-730-11 s | METAL, CHIP 39K 0.50% 1/16W |
| R11 | 1-218-720-11 s | METAL 15K 0.50% 1/16W |
| R12 | 1-218-844-11 s | METAL, CHIP 750 0.50% 1/16W |
| R13 | 1-218-668-11 s | METAL 100 0.50% 1/16W |
| R14 | 1-218-704-11 s | METAL 3.3K 0.50% 1/16W |
| R20 | 1-218-692-11 s | METAL, CHIP 1K 0.50% 1/16W |
| R25 | 1-218-684-11 s | METAL, CHIP 470 0.50% 1/16W |
| R28 | 1-218-698-11 s | METAL 1.8K 0.50% 1/16W |
| R29 | 1-218-694-11 s | METAL, CHIP 1.2K 0.50% 1/16W |
| R30 | 1-216-864-11 s | METAL, CHIP 0 5% 1/16W |
| R31 | 1-218-708-11 s | METAL 4.7K 0.50% 1/16W |
| R32 | 1-218-866-11 s | METAL, CHIP 6.2K 0.50% 1/16W |
| R33 | 1-218-668-11 s | METAL 100 0.50% 1/16W |
| R34 | 1-218-698-11 s | METAL 1.8K 0.50% 1/16W |
| R35 | 1-218-740-11 s | METAL 100K 0.50% 1/16W |
| R36 | 1-211-981-11 s | METAL, CHIP 33 0.50% 1/16W |
| R37 | 1-218-866-11 s | METAL, CHIP 6.2K 0.50% 1/16W |

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| Ref. No. or Q'ty | Part No. | SP Description |
|---------------------|----------------|------------------------------|
| R38 | 1-218-694-11 s | METAL, CHIP 1.2K 0.50% 1/16W |
| R39 | 1-211-969-11 s | METAL, CHIP 10 0.50% 1/16W |
| R40 | 1-218-698-11 s | METAL 1.8K 0.50% 1/16W |
| R41 | 1-218-668-11 s | METAL 100 0.50% 1/16W |
| R42 | 1-218-866-11 s | METAL, CHIP 6.2K 0.50% 1/16W |
| R43 | 1-211-981-11 s | METAL, CHIP 33 0.50% 1/16W |
| R44 | 1-218-698-11 s | METAL 1.8K 0.50% 1/16W |
| R47 | 1-218-720-11 s | METAL 15K 0.50% 1/16W |
| R49 | 1-211-981-11 s | METAL, CHIP 33 0.50% 1/16W |
| R50 | 1-218-720-11 s | METAL 15K 0.50% 1/16W |
| R59 | 1-218-716-11 s | METAL 10K 0.50% 1/16W |
| R60 | 1-218-732-11 s | METAL 47K 0.50% 1/16W |
| R62 | 1-218-845-11 s | METAL, CHIP 820 0.50% 1/16W |
| R64 | 1-218-705-11 s | METAL 3.6K 0.50% 1/16W |
| R65 | 1-218-695-11 s | METAL 1.3K 0.50% 1/16W |
| R66 | 1-218-688-11 s | METAL 680 0.50% 1/16W |
| R67 | 1-218-845-11 s | METAL, CHIP 820 0.50% 1/16W |
| R69 | 1-218-705-11 s | METAL 3.6K 0.50% 1/16W |
| R70 | 1-218-704-11 s | METAL 3.3K 0.50% 1/16W |
| R71 | 1-218-700-11 s | METAL 2.2K 0.50% 1/16W |
| R72 | 1-218-700-11 s | METAL 2.2K 0.50% 1/16W |
| R73 | 1-218-668-11 s | METAL 100 0.50% 1/16W |
| R74 | 1-218-668-11 s | METAL 100 0.50% 1/16W |
| R75 | 1-218-700-11 s | METAL 2.2K 0.50% 1/16W |
| R76 | 1-216-853-11 s | METAL, CHIP 470K 5% 1/16W |
| R77 | 1-216-853-11 s | METAL, CHIP 470K 5% 1/16W |
| R78 | 1-218-740-11 s | METAL 100K 0.50% 1/16W |
| R79 | 1-218-740-11 s | METAL 100K 0.50% 1/16W |
| R80 | 1-211-969-11 s | METAL, CHIP 10 0.50% 1/16W |
| R81 | 1-211-969-11 s | METAL, CHIP 10 0.50% 1/16W |
| R82 | 1-218-881-11 s | METAL, CHIP 27K 0.50% 1/16W |
| R83 | 1-218-736-11 s | METAL 68K 0.50% 1/16W |
| R84 | 1-218-684-11 s | METAL, CHIP 470 0.50% 1/16W |
| R85 | 1-218-851-11 s | METAL, CHIP 1.5K 0.50% 1/16W |
| R86 | 1-218-708-11 s | METAL 4.7K 0.50% 1/16W |
| R87 | 1-216-864-11 s | METAL, CHIP 0 5% 1/16W |
| R92 | 1-218-729-11 s | METAL 36K 0.50% 1/16W |
| R93 | 1-218-740-11 s | METAL 100K 0.50% 1/16W |
| R94 | 1-218-692-11 s | METAL, CHIP 1K 0.50% 1/16W |
| R97 | 1-216-864-11 s | METAL, CHIP 0 5% 1/16W |
| R99 | 1-218-724-11 s | METAL 22K 0.50% 1/16W |
| R103 | 1-211-981-11 s | METAL, CHIP 33 0.50% 1/16W |
| R104 | 1-218-720-11 s | METAL 15K 0.50% 1/16W |
| R105 | 1-218-698-11 s | METAL 1.8K 0.50% 1/16W |
| R106 | 1-211-981-11 s | METAL, CHIP 33 0.50% 1/16W |
| R107 | 1-218-720-11 s | METAL 15K 0.50% 1/16W |
| R108 | 1-218-698-11 s | METAL 1.8K 0.50% 1/16W |
| R109 | 1-211-969-11 s | METAL, CHIP 10 0.50% 1/16W |
| R110 | 1-215-453-00 s | METAL 22K 1% 1/6W |
| RV1 | 1-241-263-11 s | RES, ADJ, METAL 5K |

PA-188(G) BOARD

| Ref. No. or Q'ty | Part No. | SP Description |
|---------------------|----------------|----------------------------------|
| lpc | 1-565-977-11 s | CONTACT, FEMALE AWG 28-32 |
| lpc | 1-569-679-11 o | CONTACT, FEMALE |
| lpc | 1-569-680-11 o | HOUSING, CONNECTOR 2P |
| C1 | 1-135-213-21 s | TANTALUM, CHIP 3.3uF 20% 25V |
| C2 | 1-107-690-11 s | TANTALUM 6.8uF 20% 35V |
| C3 | 1-135-213-21 s | TANTALUM, CHIP 3.3uF 20% 25V |
| C4 | 1-162-970-11 s | CERAMIC, CHIP 0.01uF 10% 25V |
| C5 | 1-135-213-21 s | TANTALUM, CHIP 3.3uF 20% 25V |
| C6 | 1-135-213-21 s | TANTALUM, CHIP 3.3uF 20% 25V |
| C7 | 1-162-959-11 s | CERAMIC 330PF 5% 50V |
| C8 | 1-104-914-11 s | TANTALUM 22uF 20% 16V |
| C10 | 1-162-970-11 s | CERAMIC, CHIP 0.01uF 10% 25V |
| C12 | 1-107-690-11 s | TANTALUM 6.8uF 20% 35V |
| C14 | 1-107-690-11 s | TANTALUM 6.8uF 20% 35V |
| C17 | 1-164-156-11 s | CERAMIC 0.1uF 25V |
| C18 | 1-162-923-11 s | CERAMIC, CHIP 47PF 5% 50V |
| C19 | 1-164-156-11 s | CERAMIC 0.1uF 25V |
| C20 | 1-164-156-11 s | CERAMIC 0.1uF 25V |
| C21 | 1-162-923-11 s | CERAMIC, CHIP 47PF 5% 50V |
| C23 | 1-162-923-11 s | CERAMIC, CHIP 47PF 5% 50V |
| C27 | 1-135-259-11 s | TANTALUM 10uF 20% 6.3V |
| C28 | 1-164-156-11 s | CERAMIC 0.1uF 25V |
| C29 | 1-162-916-11 s | CERAMIC, CHIP 12PF 5% 50V |
| C30 | 1-113-682-11 s | TANTALUM CHIP 33uF 20% 10V |
| C31 | 1-162-916-11 s | CERAMIC, CHIP 12PF 5% 50V |
| C32 | 1-162-915-11 s | CERAMIC, CHIP 10PF 0.5PF 50V |
| C33 | 1-164-156-11 s | CERAMIC 0.1uF 25V |
| C34 | 1-113-991-11 s | TANTALUM 33uF 20% 16V |
| C35 | 1-164-156-11 s | CERAMIC 0.1uF 25V |
| C36 | 1-164-156-11 s | CERAMIC 0.1uF 25V |
| C37 | 1-113-500-11 s | TANTALUM 100uF 20% 10V |
| C38 | 1-164-156-11 s | CERAMIC 0.1uF 25V |
| C39 | 1-164-156-11 s | CERAMIC 0.1uF 25V |
| C40 | 1-164-156-11 s | CERAMIC 0.1uF 25V |
| C41 | 1-162-970-11 s | CERAMIC, CHIP 0.01uF 10% 25V |
| C44 | 1-164-156-11 s | CERAMIC 0.1uF 25V |
| C45 | 1-135-177-21 s | TANTALUM, CHIP 1uF 10% 25V |
| C46 | 1-107-690-11 s | TANTALUM 6.8uF 20% 35V |
| C47 | 1-162-970-11 s | CERAMIC, CHIP 0.01uF 10% 25V |
| C48 | 1-104-851-11 s | TANTALUM, CHIP 10uF 20% 10V |
| C49 | 1-164-156-11 s | CERAMIC 0.1uF 25V |
| C50 | 1-113-500-11 s | TANTALUM 100uF 20% 10V |
| C51 | 1-113-500-11 s | TANTALUM 100uF 20% 10V |
| C52 | 1-164-156-11 s | CERAMIC 0.1uF 25V |
| C55 | 1-162-923-11 s | CERAMIC, CHIP 47PF 5% 50V |
| C56 | 1-164-156-11 s | CERAMIC 0.1uF 25V |
| C57 | 1-162-923-11 s | CERAMIC, CHIP 47PF 5% 50V |
| C58 | 1-164-156-11 s | CERAMIC 0.1uF 25V |
| C59 | 1-164-156-11 s | CERAMIC 0.1uF 25V |
| C61 | 1-113-682-11 s | TANTALUM CHIP 33uF 20% 10V |
| C62 | 1-131-381-11 s | TANTALUM 47uF 20% 10V |
| CN1 | 1-766-383-11 o | CONNECTOR (1.5MM) (SMD) 12P MALE |
| CN2 | 1-766-383-11 o | CONNECTOR (1.5MM) (SMD) 12P MALE |
| CN3 | 1-695-320-21 o | CONNECTOR (1.5MM) (SMD) 2P MALE |
| D1 | 8-719-059-50 s | DIODE MA3J142DOLSO |
| D2 | 8-719-059-50 s | DIODE MA3J142DOLSO |
| D4 | 8-719-017-42 s | DIODE HSM88WA |

(PA-188(G) BOARD)

| Ref. No. or Q'ty | Part No. | SP Description |
|---------------------|----------------|------------------------------|
| FB1 | 1-543-775-11 s | FILTER, EMI |
| IC2 | 8-759-058-62 s | IC TC7S08FU(TE85R) |
| IC3 | 8-759-075-53 s | IC LM35DM |
| IC4 | 8-759-985-17 s | IC 74AC04SJ |
| IC5 | 8-759-058-62 s | IC TC7S08FU(TE85R) |
| IC6 | 8-759-058-62 s | IC TC7S08FU(TE85R) |
| Q1 | 8-729-402-19 s | TRANSISTOR XN6501 |
| Q2 | 8-729-117-32 s | TRANSISTOR 2SC4177 |
| Q3 | 8-729-101-25 s | TRANSISTOR 2SC1009A |
| Q5 | 8-729-143-07 s | TRANSISTOR 2SA1610-Y33 |
| Q7 | 8-729-143-07 s | TRANSISTOR 2SA1610-Y33 |
| Q8 | 8-729-143-07 s | TRANSISTOR 2SA1610-Y33 |
| Q9 | 8-769-401-67 s | TRANSISTOR 3SK163-1 |
| Q10 | 8-729-117-32 s | TRANSISTOR 2SC4177 |
| Q11 | 8-729-143-07 s | TRANSISTOR 2SA1610-Y33 |
| Q12 | 8-729-117-32 s | TRANSISTOR 2SC4177 |
| Q13 | 8-769-401-67 s | TRANSISTOR 3SK163-1 |
| Q14 | 8-729-143-07 s | TRANSISTOR 2SA1610-Y33 |
| Q15 | 8-729-117-32 s | TRANSISTOR 2SC4177 |
| Q16 | 8-769-401-67 s | TRANSISTOR 3SK163-1 |
| Q18 | 8-729-117-32 s | TRANSISTOR 2SC4177 |
| Q24 | 8-729-143-07 s | TRANSISTOR 2SA1610-Y33 |
| Q25 | 8-729-143-07 s | TRANSISTOR 2SA1610-Y33 |
| Q26 | 8-729-143-07 s | TRANSISTOR 2SA1610-Y33 |
| Q27 | 8-729-143-13 s | TRANSISTOR 2SC4176-B34 |
| Q28 | 8-729-117-32 s | TRANSISTOR 2SC4177 |
| Q29 | 8-729-117-32 s | TRANSISTOR 2SC4177 |
| Q32 | 8-729-143-07 s | TRANSISTOR 2SA1610-Y33 |
| Q33 | 8-729-143-07 s | TRANSISTOR 2SA1610-Y33 |
| Q35 | 8-729-117-32 s | TRANSISTOR 2SC4177 |
| Q36 | 8-729-117-16 s | TRANSISTOR 2SA1611-M6 |
| Q37 | 8-769-401-67 s | TRANSISTOR 3SK163-1 |
| Q38 | 8-729-117-32 s | TRANSISTOR 2SC4177 |
| Q39 | 8-729-117-16 s | TRANSISTOR 2SA1611-M6 |
| Q40 | 8-769-401-67 s | TRANSISTOR 3SK163-1 |
| R1 | 1-218-716-11 s | METAL 10K 0.50% 1/16W |
| R3 | 1-218-732-11 s | METAL 47K 0.50% 1/16W |
| R4 | 1-218-730-11 s | METAL, CHIP 39K 0.50% 1/16W |
| R5 | 1-216-857-11 s | METAL, CHIP 1M 5% 1/16W |
| R6 | 1-218-883-11 s | METAL 33K 0.50% 1/16W |
| R7 | 1-218-716-11 s | METAL 10K 0.50% 1/16W |
| R8 | 1-216-857-11 s | METAL, CHIP 1M 5% 1/16W |
| R9 | 1-218-716-11 s | METAL 10K 0.50% 1/16W |
| R10 | 1-218-730-11 s | METAL, CHIP 39K 0.50% 1/16W |
| R11 | 1-218-720-11 s | METAL 15K 0.50% 1/16W |
| R12 | 1-218-844-11 s | METAL, CHIP 750 0.50% 1/16W |
| R13 | 1-218-668-11 s | METAL 100 0.50% 1/16W |
| R14 | 1-218-704-11 s | METAL 3.3K 0.50% 1/16W |
| R20 | 1-218-692-11 s | METAL, CHIP 1K 0.50% 1/16W |
| R25 | 1-218-684-11 s | METAL, CHIP 470 0.50% 1/16W |
| R28 | 1-218-698-11 s | METAL 1.8K 0.50% 1/16W |
| R29 | 1-218-694-11 s | METAL, CHIP 1.2K 0.50% 1/16W |
| R30 | 1-216-864-11 s | METAL, CHIP 0 5% 1/16W |
| R31 | 1-218-708-11 s | METAL 4.7K 0.50% 1/16W |
| R32 | 1-218-866-11 s | METAL, CHIP 6.2K 0.50% 1/16W |
| R33 | 1-218-668-11 s | METAL 100 0.50% 1/16W |
| R34 | 1-218-698-11 s | METAL 1.8K 0.50% 1/16W |
| R35 | 1-218-740-11 s | METAL 100K 0.50% 1/16W |

(PA-188(G) BOARD)

| Ref. No. or Q'ty | Part No. | SP Description |
|---------------------|----------------|------------------------------|
| R36 | 1-211-981-11 s | METAL, CHIP 33 0.50% 1/16W |
| R37 | 1-218-866-11 s | METAL, CHIP 6.2K 0.50% 1/16W |
| R38 | 1-218-694-11 s | METAL, CHIP 1.2K 0.50% 1/16W |
| R39 | 1-211-969-11 s | METAL, CHIP 10 0.50% 1/16W |
| R40 | 1-218-698-11 s | METAL 1.8K 0.50% 1/16W |
| R41 | 1-218-668-11 s | METAL 100 0.50% 1/16W |
| R42 | 1-218-866-11 s | METAL, CHIP 6.2K 0.50% 1/16W |
| R43 | 1-211-981-11 s | METAL, CHIP 33 0.50% 1/16W |
| R44 | 1-218-698-11 s | METAL 1.8K 0.50% 1/16W |
| R47 | 1-218-720-11 s | METAL 15K 0.50% 1/16W |
| R49 | 1-211-981-11 s | METAL, CHIP 33 0.50% 1/16W |
| R50 | 1-218-720-11 s | METAL 15K 0.50% 1/16W |
| R59 | 1-218-716-11 s | METAL 10K 0.50% 1/16W |
| R60 | 1-218-732-11 s | METAL 47K 0.50% 1/16W |
| R62 | 1-218-694-11 s | METAL, CHIP 1.2K 0.50% 1/16W |
| R64 | 1-218-845-11 s | METAL, CHIP 820 0.50% 1/16W |
| R65 | 1-218-695-11 s | METAL 1.3K 0.50% 1/16W |
| R66 | 1-218-688-11 s | METAL 680 0.50% 1/16W |
| R67 | 1-218-694-11 s | METAL, CHIP 1.2K 0.50% 1/16W |
| R69 | 1-218-845-11 s | METAL, CHIP 820 0.50% 1/16W |
| R70 | 1-218-704-11 s | METAL 3.3K 0.50% 1/16W |
| R71 | 1-218-698-11 s | METAL 1.8K 0.50% 1/16W |
| R74 | 1-218-668-11 s | METAL 100 0.50% 1/16W |
| R75 | 1-218-700-11 s | METAL 2.2K 0.50% 1/16W |
| R76 | 1-216-853-11 s | METAL, CHIP 470K 5% 1/16W |
| R77 | 1-216-853-11 s | METAL, CHIP 470K 5% 1/16W |
| R78 | 1-218-740-11 s | METAL 100K 0.50% 1/16W |
| R79 | 1-218-740-11 s | METAL 100K 0.50% 1/16W |
| R80 | 1-211-969-11 s | METAL, CHIP 10 0.50% 1/16W |
| R81 | 1-211-969-11 s | METAL, CHIP 10 0.50% 1/16W |
| R82 | 1-218-881-11 s | METAL, CHIP 27K 0.50% 1/16W |
| R83 | 1-218-736-11 s | METAL 68K 0.50% 1/16W |
| R84 | 1-218-684-11 s | METAL, CHIP 470 0.50% 1/16W |
| R85 | 1-218-851-11 s | METAL, CHIP 1.5K 0.50% 1/16W |
| R86 | 1-218-708-11 s | METAL 4.7K 0.50% 1/16W |
| R87 | 1-216-864-11 s | METAL, CHIP 0 5% 1/16W |
| R92 | 1-218-729-11 s | METAL 36K 0.50% 1/16W |
| R93 | 1-218-740-11 s | METAL 100K 0.50% 1/16W |
| R94 | 1-218-692-11 s | METAL, CHIP 1K 0.50% 1/16W |
| R96 | 1-218-668-11 s | METAL 100 0.50% 1/16W |
| R97 | 1-216-864-11 s | METAL, CHIP 0 5% 1/16W |
| R99 | 1-218-881-11 s | METAL, CHIP 27K 0.50% 1/16W |
| R103 | 1-211-981-11 s | METAL, CHIP 33 0.50% 1/16W |
| R104 | 1-218-720-11 s | METAL 15K 0.50% 1/16W |
| R105 | 1-218-698-11 s | METAL 1.8K 0.50% 1/16W |
| R106 | 1-211-981-11 s | METAL, CHIP 33 0.50% 1/16W |
| R107 | 1-218-720-11 s | METAL 15K 0.50% 1/16W |
| R108 | 1-218-698-11 s | METAL 1.8K 0.50% 1/16W |
| R109 | 1-211-969-11 s | METAL, CHIP 10 0.50% 1/16W |
| R110 | 1-215-455-00 s | METAL 27K 1% 1/16W |

PA-189(R) BOARD

Ref. No.
or Q'ty Part No. SP Description

| | |
|-----|---|
| 1pc | 1-565-977-11 s CONTACT, FEMALE AWG 28-32 |
| 1pc | 1-569-679-11 o CONTACT, FEMALE |
| 1pc | 1-569-680-11 o HOUSING, CONNECTOR 2P |
| C1 | 1-135-213-21 s TANTALUM, CHIP 3.3uF 20% 25V |
| C2 | 1-107-690-11 s TANTALUM 6.8uF 20% 35V |
| C3 | 1-135-213-21 s TANTALUM, CHIP 3.3uF 20% 25V |
| C4 | 1-162-970-11 s CERAMIC, CHIP 0.01uF 10% 25V |
| C5 | 1-135-213-21 s TANTALUM, CHIP 3.3uF 20% 25V |
| C6 | 1-135-213-21 s TANTALUM, CHIP 3.3uF 20% 25V |
| C7 | 1-162-959-11 s CERAMIC 330PF 5% 50V |
| C8 | 1-104-914-11 s TANTALUM 22uF 20% 16V |
| C10 | 1-162-970-11 s CERAMIC, CHIP 0.01uF 10% 25V |
| C12 | 1-107-690-11 s TANTALUM 6.8uF 20% 35V |
| C14 | 1-107-690-11 s TANTALUM 6.8uF 20% 35V |
| C17 | 1-164-156-11 s CERAMIC 0.1uF 25V |
| C18 | 1-162-923-11 s CERAMIC, CHIP 47PF 5% 50V |
| C19 | 1-164-156-11 s CERAMIC 0.1uF 25V |
| C20 | 1-164-156-11 s CERAMIC 0.1uF 25V |
| C21 | 1-162-923-11 s CERAMIC, CHIP 47PF 5% 50V |
| C23 | 1-162-923-11 s CERAMIC, CHIP 47PF 5% 50V |
| C27 | 1-135-259-11 s TANTALUM 10uF 20% 6.3V |
| C28 | 1-164-156-11 s CERAMIC 0.1uF 25V |
| C29 | 1-162-908-11 s CERAMIC 3PF 0.25PF 50V |
| C30 | 1-113-682-11 s TANTALUM CHIP 33uF 20% 10V |
| C31 | 1-162-908-11 s CERAMIC 3PF 0.25PF 50V |
| C32 | 1-162-915-11 s CERAMIC, CHIP 10PF 0.5PF 50V |
| C33 | 1-164-156-11 s CERAMIC 0.1uF 25V |
| C34 | 1-113-991-11 s TANTALUM 33uF 20% 16V |
| C35 | 1-164-156-11 s CERAMIC 0.1uF 25V |
| C36 | 1-164-156-11 s CERAMIC 0.1uF 25V |
| C37 | 1-113-500-11 s TANTALUM 100uF 20% 10V |
| C38 | 1-164-156-11 s CERAMIC 0.1uF 25V |
| C39 | 1-164-156-11 s CERAMIC 0.1uF 25V |
| C40 | 1-164-156-11 s CERAMIC 0.1uF 25V |
| C41 | 1-162-970-11 s CERAMIC, CHIP 0.01uF 10% 25V |
| C44 | 1-164-156-11 s CERAMIC 0.1uF 25V |
| C45 | 1-135-177-21 s TANTALUM, CHIP 1uF 10% 25V |
| C46 | 1-107-690-11 s TANTALUM 6.8uF 20% 35V |
| C47 | 1-162-970-11 s CERAMIC, CHIP 0.01uF 10% 25V |
| C48 | 1-104-851-11 s TANTALUM, CHIP 10uF 20% 10V |
| C50 | 1-113-500-11 s TANTALUM 100uF 20% 10V |
| C51 | 1-113-500-11 s TANTALUM 100uF 20% 10V |
| C52 | 1-164-156-11 s CERAMIC 0.1uF 25V |
| C55 | 1-162-923-11 s CERAMIC, CHIP 47PF 5% 50V |
| C56 | 1-164-156-11 s CERAMIC 0.1uF 25V |
| C57 | 1-162-923-11 s CERAMIC, CHIP 47PF 5% 50V |
| C58 | 1-164-156-11 s CERAMIC 0.1uF 25V |
| C59 | 1-164-156-11 s CERAMIC 0.1uF 25V |
| C61 | 1-113-682-11 s TANTALUM CHIP 33uF 20% 10V |
| C62 | 1-131-381-11 s TANTALUM 47uF 20% 10V |
| CN1 | 1-766-383-11 o CONNECTOR (1.5MM) (SMD) 12P MALE |
| CN2 | 1-766-383-11 o CONNECTOR (1.5MM) (SMD) 12P MALE |
| CN3 | 1-695-320-21 o CONNECTOR (1.5MM) (SMD) 2P MALE |
| D1 | 8-719-059-50 s DIODE MA3J142DOLSO |
| D2 | 8-719-059-50 s DIODE MA3J142DOLSO |
| D4 | 8-719-017-42 s DIODE HSM88WA |
| FB1 | 1-543-775-11 s FILTER, EMI |

(PA-189(R) BOARD)

Ref. No.
or Q'ty Part No. SP Description

| | |
|-----|---|
| IC2 | 8-759-058-62 s IC TC7S08FU(TE85R) |
| IC4 | 8-759-985-17 s IC 74AC04SJ |
| IC5 | 8-759-058-62 s IC TC7S08FU(TE85R) |
| IC6 | 8-759-058-62 s IC TC7S08FU(TE85R) |
| Q1 | 8-729-402-19 s TRANSISTOR XN6501 |
| Q2 | 8-729-117-32 s TRANSISTOR 2SC4177 |
| Q3 | 8-729-101-25 s TRANSISTOR 2SC1009A |
| Q5 | 8-729-143-07 s TRANSISTOR 2SA1610-Y33 |
| Q7 | 8-729-143-07 s TRANSISTOR 2SA1610-Y33 |
| Q8 | 8-729-143-07 s TRANSISTOR 2SA1610-Y33 |
| Q9 | 8-769-401-67 s TRANSISTOR 3SK163-1 |
| Q10 | 8-729-117-32 s TRANSISTOR 2SC4177 |
| Q11 | 8-729-143-07 s TRANSISTOR 2SA1610-Y33 |
| Q12 | 8-729-117-32 s TRANSISTOR 2SC4177 |
| Q13 | 8-769-401-67 s TRANSISTOR 3SK163-1 |
| Q14 | 8-729-143-07 s TRANSISTOR 2SA1610-Y33 |
| Q15 | 8-729-117-32 s TRANSISTOR 2SC4177 |
| Q16 | 8-769-401-67 s TRANSISTOR 3SK163-1 |
| Q18 | 8-729-117-32 s TRANSISTOR 2SC4177 |
| Q24 | 8-729-143-07 s TRANSISTOR 2SA1610-Y33 |
| Q25 | 8-729-143-07 s TRANSISTOR 2SA1610-Y33 |
| Q26 | 8-729-143-07 s TRANSISTOR 2SA1610-Y33 |
| Q27 | 8-729-143-13 s TRANSISTOR 2SC4176-B34 |
| Q28 | 8-729-117-32 s TRANSISTOR 2SC4177 |
| Q29 | 8-729-117-32 s TRANSISTOR 2SC4177 |
| Q32 | 8-729-143-07 s TRANSISTOR 2SA1610-Y33 |
| Q33 | 8-729-143-07 s TRANSISTOR 2SA1610-Y33 |
| Q35 | 8-729-117-32 s TRANSISTOR 2SC4177 |
| Q36 | 8-729-117-16 s TRANSISTOR 2SA1611-M6 |
| Q37 | 8-769-401-67 s TRANSISTOR 3SK163-1 |
| Q38 | 8-729-117-32 s TRANSISTOR 2SC4177 |
| Q39 | 8-729-117-16 s TRANSISTOR 2SA1611-M6 |
| Q40 | 8-769-401-67 s TRANSISTOR 3SK163-1 |
| R1 | 1-218-716-11 s METAL 10K 0.50% 1/16W |
| R3 | 1-218-732-11 s METAL 47K 0.50% 1/16W |
| R4 | 1-218-730-11 s METAL, CHIP 39K 0.50% 1/16W |
| R5 | 1-216-857-11 s METAL, CHIP 1M 5% 1/16W |
| R6 | 1-218-883-11 s METAL 33K 0.50% 1/16W |
| R7 | 1-218-716-11 s METAL 10K 0.50% 1/16W |
| R8 | 1-216-857-11 s METAL, CHIP 1M 5% 1/16W |
| R9 | 1-218-716-11 s METAL 10K 0.50% 1/16W |
| R10 | 1-218-730-11 s METAL, CHIP 39K 0.50% 1/16W |
| R11 | 1-218-720-11 s METAL 15K 0.50% 1/16W |
| R12 | 1-218-844-11 s METAL, CHIP 750 0.50% 1/16W |
| R13 | 1-218-668-11 s METAL 100 0.50% 1/16W |
| R14 | 1-218-704-11 s METAL 3.3K 0.50% 1/16W |
| R20 | 1-218-692-11 s METAL, CHIP 1K 0.50% 1/16W |
| R25 | 1-218-684-11 s METAL, CHIP 470 0.50% 1/16W |
| R28 | 1-218-698-11 s METAL 1.8K 0.50% 1/16W |
| R29 | 1-218-694-11 s METAL, CHIP 1.2K 0.50% 1/16W |
| R30 | 1-216-864-11 s METAL, CHIP 0 5% 1/16W |
| R31 | 1-218-708-11 s METAL 4.7K 0.50% 1/16W |
| R32 | 1-218-866-11 s METAL, CHIP 6.2K 0.50% 1/16W |
| R33 | 1-218-668-11 s METAL 100 0.50% 1/16W |
| R34 | 1-218-698-11 s METAL 1.8K 0.50% 1/16W |
| R35 | 1-218-740-11 s METAL 100K 0.50% 1/16W |
| R36 | 1-211-981-11 s METAL, CHIP 33 0.50% 1/16W |
| R37 | 1-218-866-11 s METAL, CHIP 6.2K 0.50% 1/16W |

(PA-189(R) BOARD)

Ref. No.
or Q'ty Part No. SP Description

| | |
|------|---|
| R38 | 1-218-694-11 s METAL, CHIP 1.2K 0.50% 1/16W |
| R39 | 1-211-969-11 s METAL, CHIP 10 0.50% 1/16W |
| R40 | 1-218-698-11 s METAL 1.8K 0.50% 1/16W |
| R41 | 1-218-668-11 s METAL 100 0.50% 1/16W |
| R42 | 1-218-866-11 s METAL, CHIP 6.2K 0.50% 1/16W |
| R43 | 1-211-981-11 s METAL, CHIP 33 0.50% 1/16W |
| R44 | 1-218-698-11 s METAL 1.8K 0.50% 1/16W |
| R47 | 1-218-720-11 s METAL 15K 0.50% 1/16W |
| R49 | 1-211-981-11 s METAL, CHIP 33 0.50% 1/16W |
| R50 | 1-218-720-11 s METAL 15K 0.50% 1/16W |
| R59 | 1-218-716-11 s METAL 10K 0.50% 1/16W |
| R60 | 1-218-732-11 s METAL 47K 0.50% 1/16W |
| R62 | 1-218-845-11 s METAL, CHIP 820 0.50% 1/16W |
| R64 | 1-218-694-11 s METAL, CHIP 1.2K 0.50% 1/16W |
| R65 | 1-218-695-11 s METAL 1.3K 0.50% 1/16W |
| R66 | 1-218-688-11 s METAL 680 0.50% 1/16W |
| R67 | 1-218-845-11 s METAL, CHIP 820 0.50% 1/16W |
| R69 | 1-218-694-11 s METAL, CHIP 1.2K 0.50% 1/16W |
| R70 | 1-218-704-11 s METAL 3.3K 0.50% 1/16W |
| R71 | 1-218-698-11 s METAL 1.8K 0.50% 1/16W |
| R72 | 1-218-700-11 s METAL 2.2K 0.50% 1/16W |
| R73 | 1-218-668-11 s METAL 100 0.50% 1/16W |
| R74 | 1-218-668-11 s METAL 100 0.50% 1/16W |
| R75 | 1-218-700-11 s METAL 2.2K 0.50% 1/16W |
| R76 | 1-216-853-11 s METAL, CHIP 470K 5% 1/16W |
| R77 | 1-216-853-11 s METAL, CHIP 470K 5% 1/16W |
| R78 | 1-218-740-11 s METAL 100K 0.50% 1/16W |
| R79 | 1-218-740-11 s METAL 100K 0.50% 1/16W |
| R80 | 1-211-969-11 s METAL, CHIP 10 0.50% 1/16W |
| R81 | 1-211-969-11 s METAL, CHIP 10 0.50% 1/16W |
| R82 | 1-218-881-11 s METAL, CHIP 27K 0.50% 1/16W |
| R83 | 1-218-736-11 s METAL 68K 0.50% 1/16W |
| R84 | 1-218-684-11 s METAL, CHIP 470 0.50% 1/16W |
| R85 | 1-218-851-11 s METAL, CHIP 1.5K 0.50% 1/16W |
| R86 | 1-218-708-11 s METAL 4.7K 0.50% 1/16W |
| R87 | 1-216-864-11 s METAL, CHIP 0 5% 1/16W |
| R92 | 1-218-729-11 s METAL 36K 0.50% 1/16W |
| R93 | 1-218-740-11 s METAL 100K 0.50% 1/16W |
| R94 | 1-218-692-11 s METAL, CHIP 1K 0.50% 1/16W |
| R97 | 1-216-864-11 s METAL, CHIP 0 5% 1/16W |
| R99 | 1-218-723-11 s METAL 20K 0.50% 1/16W |
| R103 | 1-211-981-11 s METAL, CHIP 33 0.50% 1/16W |
| R104 | 1-218-720-11 s METAL 15K 0.50% 1/16W |
| R105 | 1-218-698-11 s METAL 1.8K 0.50% 1/16W |
| R106 | 1-211-981-11 s METAL, CHIP 33 0.50% 1/16W |
| R107 | 1-218-720-11 s METAL 15K 0.50% 1/16W |
| R108 | 1-218-698-11 s METAL 1.8K 0.50% 1/16W |
| R109 | 1-211-969-11 s METAL, CHIP 10 0.50% 1/16W |
| R110 | 1-215-452-00 s METAL 20K 1% 1/6W |
| RV1 | 1-241-263-11 s RES, ADJ, METAL 5K |

PR-216 BOARD

| | | |
|---------------------|----------------|------------------------------|
| Ref. No. or Q'ty | Part No. | SP Description |
| 1pc | A-8311-121-A o | OUNTED CIRCUIT BOARD, PR-216 |
| 3pcs | 3-729-061-01 s | SCREW (M2X4.5) (TYPE 1) |
| 3pcs | 7-621-772-18 s | SCREW +B 2X4 |
| C401 | 1-111-253-11 s | TANTALUM 100uF 20% 6.3V |
| C402 | 1-164-156-11 s | CERAMIC 0.1uF 25V |
| C404 | 1-164-156-11 s | CERAMIC 0.1uF 25V |
| C405 | 1-164-156-11 s | CERAMIC 0.1uF 25V |
| C406 | 1-164-156-11 s | CERAMIC 0.1uF 25V |
| C407 | 1-164-156-11 s | CERAMIC 0.1uF 25V |
| C409 | 1-113-642-11 s | TANTALUM 47uF 20% 10V |
| C410 | 1-113-642-11 s | TANTALUM 47uF 20% 10V |
| C411 | 1-113-642-11 s | TANTALUM 47uF 20% 10V |
| C412 | 1-164-156-11 s | CERAMIC 0.1uF 25V |
| C413 | 1-164-156-11 s | CERAMIC 0.1uF 25V |
| C414 | 1-164-156-11 s | CERAMIC 0.1uF 25V |
| C415 | 1-164-156-11 s | CERAMIC 0.1uF 25V |
| C416 | 1-164-156-11 s | CERAMIC 0.1uF 25V |
| C417 | 1-111-253-11 s | TANTALUM 100uF 20% 6.3V |
| C418 | 1-111-253-11 s | TANTALUM 100uF 20% 6.3V |
| C419 | 1-164-156-11 s | CERAMIC 0.1uF 25V |
| C420 | 1-164-156-11 s | CERAMIC 0.1uF 25V |
| C421 | 1-164-156-11 s | CERAMIC 0.1uF 25V |
| C422 | 1-164-156-11 s | CERAMIC 0.1uF 25V |
| C424 | 1-164-156-11 s | CERAMIC 0.1uF 25V |
| C425 | 1-164-156-11 s | CERAMIC 0.1uF 25V |
| C426 | 1-164-156-11 s | CERAMIC 0.1uF 25V |
| C427 | 1-164-156-11 s | CERAMIC 0.1uF 25V |
| C428 | 1-111-253-11 s | TANTALUM 100uF 20% 6.3V |
| C429 | 1-111-253-11 s | TANTALUM 100uF 20% 6.3V |
| C430 | 1-164-156-11 s | CERAMIC 0.1uF 25V |
| C431 | 1-164-156-11 s | CERAMIC 0.1uF 25V |
| C432 | 1-164-156-11 s | CERAMIC 0.1uF 25V |
| C433 | 1-164-156-11 s | CERAMIC 0.1uF 25V |
| C434 | 1-164-156-11 s | CERAMIC 0.1uF 25V |
| C435 | 1-164-156-11 s | CERAMIC 0.1uF 25V |
| C436 | 1-164-156-11 s | CERAMIC 0.1uF 25V |
| C437 | 1-164-156-11 s | CERAMIC 0.1uF 25V |
| C440 | 1-164-156-11 s | CERAMIC 0.1uF 25V |
| C441 | 1-164-156-11 s | CERAMIC 0.1uF 25V |
| C442 | 1-164-156-11 s | CERAMIC 0.1uF 25V |
| C443 | 1-164-156-11 s | CERAMIC 0.1uF 25V |
| C444 | 1-164-156-11 s | CERAMIC 0.1uF 25V |
| C445 | 1-164-156-11 s | CERAMIC 0.1uF 25V |
| C446 | 1-164-156-11 s | CERAMIC 0.1uF 25V |
| C447 | 1-113-682-11 s | TANTALUM CHIP 33uF 20% 10V |
| C448 | 1-104-851-11 s | TANTALUM, CHIP 10uF 20% 10V |
| C449 | 1-113-682-11 s | TANTALUM CHIP 33uF 20% 10V |
| C450 | 1-104-851-11 s | TANTALUM, CHIP 10uF 20% 10V |
| C451 | 1-113-682-11 s | TANTALUM CHIP 33uF 20% 10V |
| C452 | 1-104-851-11 s | TANTALUM, CHIP 10uF 20% 10V |
| C455 | 1-164-156-11 s | CERAMIC 0.1uF 25V |
| C456 | 1-111-253-11 s | TANTALUM 100uF 20% 6.3V |
| C457 | 1-111-253-11 s | TANTALUM 100uF 20% 6.3V |
| C458 | 1-164-156-11 s | CERAMIC 0.1uF 25V |
| C459 | 1-164-156-11 s | CERAMIC 0.1uF 25V |
| C460 | 1-164-156-11 s | CERAMIC 0.1uF 25V |
| C461 | 1-104-851-11 s | TANTALUM, CHIP 10uF 20% 10V |
| C462 | 1-104-851-11 s | TANTALUM, CHIP 10uF 20% 10V |

(PR-216 BOARD)

| Ref. No. or Q'ty | Part No. | SP Description |
|---------------------|----------------|-----------------------------|
| C463 | 1-104-851-11 s | TANTALUM, CHIP 10uF 20% 10V |
| C464 | 1-135-210-11 s | TANTALUM 4.7uF 10% 10V |
| C465 | 1-164-156-11 s | CERAMIC 0.1uF 25V |
| C466 | 1-164-156-11 s | CERAMIC 0.1uF 25V |
| C467 | 1-164-156-11 s | CERAMIC 0.1uF 25V |
| C468 | 1-164-156-11 s | CERAMIC 0.1uF 25V |
| C469 | 1-164-156-11 s | CERAMIC 0.1uF 25V |
| C473 | 1-164-156-11 s | CERAMIC 0.1uF 25V |
| C474 | 1-164-156-11 s | CERAMIC 0.1uF 25V |
| C475 | 1-164-156-11 s | CERAMIC 0.1uF 25V |
| C476 | 1-164-156-11 s | CERAMIC 0.1uF 25V |
| C477 | 1-164-156-11 s | CERAMIC 0.1uF 25V |
| C478 | 1-164-156-11 s | CERAMIC 0.1uF 25V |
| C479 | 1-113-682-11 s | TANTALUM CHIP 33uF 20% 10V |
| C480 | 1-113-682-11 s | TANTALUM CHIP 33uF 20% 10V |
| C481 | 1-164-156-11 s | CERAMIC 0.1uF 25V |
| C482 | 1-164-156-11 s | CERAMIC 0.1uF 25V |
| C483 | 1-164-156-11 s | CERAMIC 0.1uF 25V |
| C487 | 1-111-253-11 s | TANTALUM 100uF 20% 6.3V |
| C488 | 1-164-156-11 s | CERAMIC 0.1uF 25V |
| C490 | 1-111-253-11 s | TANTALUM 100uF 20% 6.3V |
| C491 | 1-113-682-11 s | TANTALUM CHIP 33uF 20% 10V |
| C492 | 1-113-682-11 s | TANTALUM CHIP 33uF 20% 10V |
| C497 | 1-164-156-11 s | CERAMIC 0.1uF 25V |
| C498 | 1-164-156-11 s | CERAMIC 0.1uF 25V |
| C499 | 1-164-156-11 s | CERAMIC 0.1uF 25V |
| C500 | 1-164-156-11 s | CERAMIC 0.1uF 25V |
| C501 | 1-164-156-11 s | CERAMIC 0.1uF 25V |
| C502 | 1-164-156-11 s | CERAMIC 0.1uF 25V |
| C503 | 1-164-156-11 s | CERAMIC 0.1uF 25V |
| C504 | 1-164-156-11 s | CERAMIC 0.1uF 25V |
| D401 | 8-719-029-63 s | DIODE RD4.3UH-T1 |
| D402 | 8-719-029-63 s | DIODE RD4.3UH-T1 |
| FL401 | 1-233-753-21 s | FILTER, LOW PASS |
| IC401 | 8-759-095-59 s | IC M5237ML-TP1 |
| IC402 | 8-759-173-16 s | IC TL062CPW |
| IC403 | 8-759-049-86 s | IC SN74HCT244APW-E20 |
| IC404 | 8-759-079-49 s | IC TC74VHC04FS(EL) |
| IC406 | 8-752-360-44 s | IC CXK1203AR |
| IC407 | 8-752-360-44 s | IC CXK1203AR |
| IC408 | 8-752-360-44 s | IC CXK1203AR |
| IC409 | 8-752-360-44 s | IC CXK1203AR |
| IC412 | 8-752-334-64 s | IC CXD1171M |
| IC413 | 8-759-196-96 s | IC TC7SH08FU-TE85R |
| IC414 | 8-759-080-02 s | IC TC74VHC541FS(EL) |
| IC415 | 8-759-080-02 s | IC TC74VHC541FS(EL) |
| IC416 | 8-759-080-02 s | IC TC74VHC541FS(EL) |
| IC417 | 8-759-080-02 s | IC TC74VHC541FS(EL) |
| IC418 | 8-759-076-06 s | IC TL064CPW |
| IC423 | 8-759-049-86 s | IC SN74HCT244APW-E20 |
| IC424 | 8-759-079-49 s | IC TC74VHC04FS(EL) |
| IC425 | 8-759-079-61 s | IC TC74VHC74FS(EL) |
| IC426 | 8-759-079-78 s | IC TC74VHC165FS(EL) |
| IC427 | 8-759-079-78 s | IC TC74VHC165FS(EL) |
| IC428 | 8-759-079-61 s | IC TC74VHC74FS(EL) |
| IC429 | 8-759-196-93 s | IC TC7SH00FU-TE85R |

(PR-216 BOARD)

| Ref. No. or Q'ty | Part No. | SP Description |
|---------------------|----------------|------------------------------|
| L401 | 1-424-643-11 s | COIL, CHOKE 10UH |
| Q401 | 8-729-101-07 s | TRANSISTOR 2SB798 |
| Q402 | 8-729-101-07 s | TRANSISTOR 2SB798 |
| Q403 | 8-729-807-51 s | TRANSISTOR 2SD1623-S |
| Q404 | 8-729-026-53 s | TRANSISTOR 2SA1576A-T106-QR |
| Q405 | 8-729-402-84 s | TRANSISTOR XN4601 |
| R401 | 1-216-813-11 s | METAL, CHIP 220 5% 1/16W |
| R402 | 1-216-813-11 s | METAL, CHIP 220 5% 1/16W |
| R403 | 1-218-886-11 s | METAL, CHIP 43K 0.50% 1/16W |
| R405 | 1-218-720-11 s | METAL 15K 0.50% 1/16W |
| R406 | 1-218-730-11 s | METAL, CHIP 39K 0.50% 1/16W |
| R408 | 1-218-729-11 s | METAL 36K 0.50% 1/16W |
| R409 | 1-216-833-11 s | METAL, CHIP 10K 5% 1/16W |
| R411 | 1-216-797-11 s | METAL, CHIP 10 5% 1/16W |
| R412 | 1-216-805-11 s | METAL, CHIP 47 5% 1/16W |
| R413 | 1-216-797-11 s | METAL, CHIP 10 5% 1/16W |
| R415 | 1-218-698-11 s | METAL 1.8K 0.50% 1/16W |
| R416 | 1-218-724-11 s | METAL 22K 0.50% 1/16W |
| R417 | 1-218-873-11 s | METAL, CHIP 12K 0.50% 1/16W |
| R418 | 1-218-676-11 s | METAL 220 0.50% 1/16W |
| R419 | 1-218-676-11 s | METAL 220 0.50% 1/16W |
| R420 | 1-218-698-11 s | METAL 1.8K 0.50% 1/16W |
| R421 | 1-216-829-11 s | METAL, CHIP 4.7K 5% 1/16W |
| R422 | 1-216-805-11 s | METAL, CHIP 47 5% 1/16W |
| R424 | 1-216-805-11 s | METAL, CHIP 47 5% 1/16W |
| R425 | 1-216-809-11 s | METAL, CHIP 100 5% 1/16W |
| R426 | 1-216-809-11 s | METAL, CHIP 100 5% 1/16W |
| R429 | 1-218-676-11 s | METAL 220 0.50% 1/16W |
| R430 | 1-218-716-11 s | METAL 10K 0.50% 1/16W |
| R431 | 1-218-716-11 s | METAL 10K 0.50% 1/16W |
| R434 | 1-218-883-11 s | METAL 33K 0.50% 1/16W |
| R435 | 1-218-883-11 s | METAL 33K 0.50% 1/16W |
| R436 | 1-218-716-11 s | METAL 10K 0.50% 1/16W |
| R437 | 1-218-716-11 s | METAL 10K 0.50% 1/16W |
| R440 | 1-218-883-11 s | METAL 33K 0.50% 1/16W |
| R441 | 1-218-883-11 s | METAL 33K 0.50% 1/16W |
| R442 | 1-218-716-11 s | METAL 10K 0.50% 1/16W |
| R443 | 1-218-716-11 s | METAL 10K 0.50% 1/16W |
| R447 | 1-218-883-11 s | METAL 33K 0.50% 1/16W |
| R448 | 1-218-883-11 s | METAL 33K 0.50% 1/16W |
| R451 | 1-218-867-11 s | METAL, CHIP 6.8K 0.50% 1/16W |
| R452 | 1-218-867-11 s | METAL, CHIP 6.8K 0.50% 1/16W |
| R453 | 1-218-867-11 s | METAL, CHIP 6.8K 0.50% 1/16W |
| R454 | 1-218-867-11 s | METAL, CHIP 6.8K 0.50% 1/16W |
| R455 | 1-218-867-11 s | METAL, CHIP 6.8K 0.50% 1/16W |
| R456 | 1-218-867-11 s | METAL, CHIP 6.8K 0.50% 1/16W |
| R457 | 1-218-730-11 s | METAL, CHIP 39K 0.50% 1/16W |
| R458 | 1-218-730-11 s | METAL, CHIP 39K 0.50% 1/16W |
| R459 | 1-218-730-11 s | METAL, CHIP 39K 0.50% 1/16W |
| R460 | 1-218-730-11 s | METAL, CHIP 39K 0.50% 1/16W |
| R461 | 1-216-805-11 s | METAL, CHIP 47 5% 1/16W |
| R462 | 1-216-797-11 s | METAL, CHIP 10 5% 1/16W |
| R463 | 1-216-809-11 s | METAL, CHIP 100 5% 1/16W |
| R464 | 1-216-809-11 s | METAL, CHIP 100 5% 1/16W |
| R465 | 1-216-825-11 s | METAL, CHIP 2.2K 5% 1/16W |
| R466 | 1-216-827-11 s | METAL, CHIP 3.3K 5% 1/16W |
| R467 | 1-216-819-11 s | METAL, CHIP 680 5% 1/16W |
| R468 | 1-216-829-11 s | METAL, CHIP 4.7K 5% 1/16W |

DXC-D30(J,UC)
DXC-D30P(CE)

(PR-216 BOARD)

| Ref. No. or Q'ty | Part No. | SP Description |
|---------------------|----------------|-------------------------------|
| R469 | 1-216-805-11 s | METAL, CHIP 47 5% 1/16W |
| R472 | 1-216-809-11 s | METAL, CHIP 100 5% 1/16W |
| R473 | 1-216-864-11 s | METAL, CHIP 0 5% 1/16W |
| R474 | 1-218-708-11 s | METAL 4.7K 0.50% 1/16W |
| R476 | 1-216-797-11 s | METAL, CHIP 10 5% 1/16W |
| R477 | 1-216-845-11 s | METAL, CHIP 100K 5% 1/16W |
| R478 | 1-216-845-11 s | METAL, CHIP 100K 5% 1/16W |
| R479 | 1-216-845-11 s | METAL, CHIP 100K 5% 1/16W |
| R480 | 1-216-845-11 s | METAL, CHIP 100K 5% 1/16W |
| R481 | 1-216-819-11 s | METAL, CHIP 680 5% 1/16W |
| R482 | 1-216-821-11 s | METAL, CHIP 1K 5% 1/16W |
| RB401 | 1-239-306-11 s | RESISTOR BLOCK, CHIP 10KX8 |
| RB402 | 1-239-306-11 s | RESISTOR BLOCK, CHIP 10KX8 |
| RB403 | 1-239-306-11 s | RESISTOR BLOCK, CHIP 10KX8 |
| RB404 | 1-239-306-11 s | RESISTOR BLOCK, CHIP 10KX8 |
| RB405 | 1-236-904-11 s | RESISTOR, BLOCK CHIP 1K |
| RB406 | 1-236-904-11 s | RESISTOR, BLOCK CHIP 1K |
| RB407 | 1-236-908-11 s | RESISTOR, NETWORK, CHIP 10k |
| RB408 | 1-236-907-11 s | RESISTOR BLOCK, CHIP 100KX4 |
| RB409 | 1-239-409-11 s | NETWORK, RESISTOR (CHIP TYPE) |
| RB410 | 1-239-306-11 s | RESISTOR BLOCK, CHIP 10KX8 |
| RB411 | 1-239-419-11 s | NETWORK RESISTOR (CHIP) 470 |
| RB412 | 1-239-419-11 s | NETWORK RESISTOR (CHIP) 470 |
| RB413 | 1-239-419-11 s | NETWORK RESISTOR (CHIP) 470 |
| RB414 | 1-239-419-11 s | NETWORK RESISTOR (CHIP) 470 |
| RB415 | 1-239-419-11 s | NETWORK RESISTOR (CHIP) 470 |
| RB416 | 1-239-419-11 s | NETWORK RESISTOR (CHIP) 470 |
| RB417 | 1-239-419-11 s | NETWORK RESISTOR (CHIP) 470 |
| RB418 | 1-239-419-11 s | NETWORK RESISTOR (CHIP) 470 |
| RB420 | 1-239-409-11 s | NETWORK, RESISTOR (CHIP TYPE) |
| RB422 | 1-236-907-11 s | RESISTOR BLOCK, CHIP 100KX4 |
| RB423 | 1-236-907-11 s | RESISTOR BLOCK, CHIP 100KX4 |
| RB424 | 1-236-907-11 s | RESISTOR BLOCK, CHIP 100KX4 |
| RB425 | 1-236-907-11 s | RESISTOR BLOCK, CHIP 100KX4 |
| RB426 | 1-236-907-11 s | RESISTOR BLOCK, CHIP 100KX4 |
| RB427 | 1-236-907-11 s | RESISTOR BLOCK, CHIP 100KX4 |
| RB428 | 1-236-907-11 s | RESISTOR BLOCK, CHIP 100KX4 |
| RB429 | 1-236-907-11 s | RESISTOR BLOCK, CHIP 100KX4 |

SW-790 BOARD

| Ref. No. or Q'ty | Part No. | SP Description |
|---------------------|----------------|-------------------------------|
| 1pc | A-8311-119-A o | MOUNTED CIRCUIT BOARD, SW-790 |
| 5pcs | 4-937-336-42 s | HOLDER, LED |
| 5pcs | 3-604-357-01 o | KNOB(L), SW |
| C1 | 1-104-851-11 s | TANTALUM, CHIP 10uF 20% 10V |
| C2 | 1-164-232-11 s | CERAMIC, CHIP 0.01uF 10% 50V |
| C3 | 1-104-851-11 s | TANTALUM, CHIP 10uF 20% 10V |
| C4 | 1-164-232-11 s | CERAMIC, CHIP 0.01uF 10% 50V |
| C5 | 1-164-232-11 s | CERAMIC, CHIP 0.01uF 10% 50V |
| C6 | 1-164-232-11 s | CERAMIC, CHIP 0.01uF 10% 50V |
| C7 | 1-135-149-21 s | TANTALUM, CHIP 2.2uF 10% 10V |
| CN1 | 1-690-107-11 o | CONNECTOR, 12P FEMALE |
| D1 | 8-719-970-06 s | DIODE MPR3371X-150 |
| D2 | 8-719-970-06 s | DIODE MPR3371X-150 |
| D3 | 8-719-970-07 s | DIODE MPG3371X-150 |
| D4 | 8-719-970-06 s | DIODE MPR3371X-150 |
| D5 | 8-719-970-06 s | DIODE MPR3371X-150 |
| D6 | 8-719-800-76 s | DIODE 1SS226 |
| FB1 | 1-414-135-11 s | INDUCTOR CHIP 0uH |
| FB2 | 1-414-135-11 s | INDUCTOR CHIP 0uH |
| IC1 | 8-759-268-29 s | IC SN74HC595ANS |
| IC2 | 8-759-926-25 s | IC SN74HC165NS |
| IC3 | 8-759-926-25 s | IC SN74HC165NS |
| IC4 | 8-759-432-66 s | IC TC7W74F(TE12R) |
| L1 | 1-412-955-11 s | INDUCTOR 22uH |
| L2 | 1-412-955-11 s | INDUCTOR 22uH |
| Q1 | 8-729-120-28 s | TRANSISTOR 2SC1623-L5L6 |
| Q2 | 8-729-120-28 s | TRANSISTOR 2SC1623-L5L6 |
| Q3 | 8-729-120-28 s | TRANSISTOR 2SC1623-L5L6 |
| Q4 | 8-729-120-28 s | TRANSISTOR 2SC1623-L5L6 |
| Q5 | 8-729-120-28 s | TRANSISTOR 2SC1623-L5L6 |
| R1 | 1-216-049-91 s | METAL 1K 5% 1/10W |
| R2 | 1-216-049-91 s | METAL 1K 5% 1/10W |
| R3 | 1-216-049-91 s | METAL 1K 5% 1/10W |
| R4 | 1-216-049-91 s | METAL 1K 5% 1/10W |
| R5 | 1-216-049-91 s | METAL 1K 5% 1/10W |
| R6 | 1-216-097-91 s | METAL 100K 5% 1/10W |
| R7 | 1-216-097-91 s | METAL 100K 5% 1/10W |
| R8 | 1-216-097-91 s | METAL 100K 5% 1/10W |
| R9 | 1-216-097-91 s | METAL 100K 5% 1/10W |
| R10 | 1-216-097-91 s | METAL 100K 5% 1/10W |
| R11 | 1-216-097-91 s | METAL 100K 5% 1/10W |
| R12 | 1-216-097-91 s | METAL 100K 5% 1/10W |
| R13 | 1-216-073-00 s | METAL, CHIP 10K 5% 1/10W |
| R14 | 1-216-073-00 s | METAL, CHIP 10K 5% 1/10W |
| R15 | 1-216-073-00 s | METAL, CHIP 10K 5% 1/10W |
| R16 | 1-216-073-00 s | METAL, CHIP 10K 5% 1/10W |
| R17 | 1-216-073-00 s | METAL, CHIP 10K 5% 1/10W |
| R18 | 1-216-073-00 s | METAL, CHIP 10K 5% 1/10W |
| R19 | 1-216-073-00 s | METAL, CHIP 10K 5% 1/10W |
| R20 | 1-216-073-00 s | METAL, CHIP 10K 5% 1/10W |
| R21 | 1-216-097-91 s | METAL 100K 5% 1/10W |
| R22 | 1-216-097-91 s | METAL 100K 5% 1/10W |
| R23 | 1-216-097-91 s | METAL 100K 5% 1/10W |
| R24 | 1-216-097-91 s | METAL 100K 5% 1/10W |
| R25 | 1-216-097-91 s | METAL 100K 5% 1/10W |

SE-366 BOARD

| Ref. No. or Q'ty | Part No. | SP Description |
|---------------------|----------------|--------------------------------|
| 1pc | 1-663-031-11 o | PRINTED CIRCUIT BOARD, SE-366 |
| CN1 | 1-573-806-21 s | PIN, CONNECTOR (1.5MM) (SMD)6P |
| PH1 | 8-749-925-05 s | REFLECTOR NJL5183KA-F20-TE1 |
| PH2 | 8-749-925-05 s | REFLECTOR NJL5183KA-F20-TE1 |

(SW-790 BOARD)

| Ref. No. or Q'ty | Part No. | SP Description |
|---------------------|----------------|--------------------------|
| R26 | 1-216-097-91 s | METAL 100K 5% 1/10W |
| R27 | 1-216-097-91 s | METAL 100K 5% 1/10W |
| R28 | 1-216-097-91 s | METAL 100K 5% 1/10W |
| R29 | 1-216-097-91 s | METAL 100K 5% 1/10W |
| R30 | 1-216-073-00 s | METAL, CHIP 10K 5% 1/10W |
| R31 | 1-216-073-00 s | METAL, CHIP 10K 5% 1/10W |
| R32 | 1-216-073-00 s | METAL, CHIP 10K 5% 1/10W |
| R33 | 1-216-073-00 s | METAL, CHIP 10K 5% 1/10W |
| R34 | 1-216-073-00 s | METAL, CHIP 10K 5% 1/10W |
| R35 | 1-216-073-00 s | METAL, CHIP 10K 5% 1/10W |
| R36 | 1-216-073-00 s | METAL, CHIP 10K 5% 1/10W |
| R37 | 1-216-073-00 s | METAL, CHIP 10K 5% 1/10W |
| R38 | 1-216-073-00 s | METAL, CHIP 10K 5% 1/10W |
| R39 | 1-216-097-91 s | METAL 100K 5% 1/10W |
| R40 | 1-216-049-91 s | METAL 1K 5% 1/10W |
| R41 | 1-216-049-91 s | METAL 1K 5% 1/10W |
| R42 | 1-216-097-91 s | METAL 100K 5% 1/10W |
| R43 | 1-216-073-00 s | METAL, CHIP 10K 5% 1/10W |
| R44 | 1-216-073-00 s | METAL, CHIP 10K 5% 1/10W |
| R45 | 1-216-073-00 s | METAL, CHIP 10K 5% 1/10W |
| R46 | 1-216-073-00 s | METAL, CHIP 10K 5% 1/10W |
| R47 | 1-216-073-00 s | METAL, CHIP 10K 5% 1/10W |
| S1 | 1-554-303-21 s | SWITCH, TACTILE |
| S2 | 1-554-592-21 s | SWITCH, PUSH |
| S3 | 1-554-592-21 s | SWITCH, PUSH |
| S4 | 1-570-859-11 s | SWITCH, SLIDE |
| S5 | 1-554-303-21 s | SWITCH, TACTILE |
| S6 | 1-570-851-11 s | SWITCH, SLIDE |
| S7 | 1-554-303-21 s | SWITCH, TACTILE |
| S8 | 1-570-859-11 s | SWITCH, SLIDE |
| S9 | 1-570-859-11 s | SWITCH, SLIDE |
| S10 | 1-570-859-11 s | SWITCH, SLIDE |
| S11 | 1-554-303-21 s | SWITCH, TACTILE |
| S12 | 1-554-303-21 s | SWITCH, TACTILE |
| S13 | 1-553-875-00 s | SWITCH, RUBBER |
| S14 | 1-553-875-00 s | SWITCH, RUBBER |
| S15 | 1-553-875-00 s | SWITCH, RUBBER |
| S16 | 1-553-875-00 s | SWITCH, RUBBER |

SW-791 BOARD

| Ref. No. or Q'ty | Part No. | SP Description |
|---------------------|----------------|------------------------------|
| 1pc | A-8311-115-A o | OUNTED CIRCUIT BOARD, SW-791 |
| CN101 | 1-566-765-11 o | PIN, CONNECTOR 10P |
| R101 | 1-216-049-91 s | METAL 1K 5% 1/10W |
| R102 | 1-216-049-91 s | METAL 1K 5% 1/10W |
| R103 | 1-216-049-91 s | METAL 1K 5% 1/10W |
| R104 | 1-216-049-91 s | METAL 1K 5% 1/10W |
| R105 | 1-216-049-91 s | METAL 1K 5% 1/10W |
| R106 | 1-216-049-91 s | METAL 1K 5% 1/10W |
| R107 | 1-216-049-91 s | METAL 1K 5% 1/10W |
| R108 | 1-216-049-91 s | METAL 1K 5% 1/10W |
| R109 | 1-216-049-91 s | METAL 1K 5% 1/10W |
| S101 | 1-762-123-11 s | SWITCH, TOGGLE |
| S102 | 1-762-123-11 s | SWITCH, TOGGLE |
| S103 | 1-762-123-11 s | SWITCH, TOGGLE |
| S104 | 1-762-531-11 s | SWITCH, TOGGLE |
| S105 | 1-553-510-11 s | SWITCH, SLIDE |
| 1pc | A-8311-131-A o | OUNTED CIRCUIT BOARD, SW-792 |
| 1pc | 3-604-390-01 s | KNOB, VR |
| 1pc | 7-621-732-09 s | SET-SCT HEX. 2X3 WP |
| C201 | 1-163-038-91 s | CERAMIC 0.1uF 25V |
| C202 | 1-104-851-11 s | TANTALUM, CHIP 10uF 20% 10V |
| CN201 | 1-565-879-11 s | PIN, CONNECTOR (PC BOARD) 7P |
| R201 | 1-216-049-91 s | METAL 1K 5% 1/10W |
| R202 | 1-216-049-91 s | METAL 1K 5% 1/10W |
| R203 | 1-216-049-91 s | METAL 1K 5% 1/10W |
| R204 | 1-216-049-91 s | METAL 1K 5% 1/10W |
| R205 | 1-216-049-91 s | METAL 1K 5% 1/10W |
| RV201 | 1-223-684-11 s | RES, VAR, CARBON 5K |
| S201 | 1-570-984-11 s | SWITCH, TOGGLE |
| S202 | 1-692-313-11 s | SWITCH, KEY BOARD |
| S203 | 1-553-875-00 s | SWITCH, RUBBER |
| S204 | 1-570-993-11 s | SWITCH, TACT |

SW-793 BOARD

Ref. No.
or Q'ty Part No. SP Description

1pc A-8311-132-A o MOUNTED CIRCUIT BOARD, SW-793
 1pc 1-543-751-11 o CORE (TROLDAL)
 1pc 1-560-372-00 o CONTACT, AWG22-28
 1pc 1-561-516-00 o CONNECTOR HOUSING, ILG (4P)
 3pcs 1-565-977-11 s CONTACT, FEMALE AWG 28-32

1pc 1-565-979-11 o HOUSING, 8P
 2pcs 1-569-679-11 o CONTACT, FEMALE
 1pc 1-956-513-11 o HARNESS, SUB (POWER)
 1pc 1-956-522-11 o HARNESS, SUB (SW793)

C301 1-104-851-11 s TANTALUM, CHIP 10uF 20% 10V
 C302 1-164-232-11 s CERAMIC, CHIP 0.01uF 10% 50V
 C303 1-164-232-11 s CERAMIC, CHIP 0.01uF 10% 50V
 C304 1-128-528-11 s ELECT 470uF 20% 25V

CB301 △ 1-532-681-00 s CIRCUIT BREAKER 4A 125V

CN301 1-506-703-11 o CONNECTOR POST HEADER, ILG (4P)
 CN304 1-566-763-11 o PIN, CONNECTOR 8P

D301 8-719-911-55 s DIODE U05G

IC301 8-759-926-25 s IC SN74HC165NS
 IC302 8-759-926-25 s IC SN74HC165NS

L301 1-412-955-11 s INDUCTOR 22uH

R301 1-216-097-91 s METAL 100K 5% 1/10W
 R302 1-216-097-91 s METAL 100K 5% 1/10W
 R303 1-216-097-91 s METAL 100K 5% 1/10W
 R304 1-216-097-91 s METAL 100K 5% 1/10W
 R305 1-216-097-91 s METAL 100K 5% 1/10W

R306 1-216-097-91 s METAL 100K 5% 1/10W
 R307 1-216-097-91 s METAL 100K 5% 1/10W
 R308 1-216-097-91 s METAL 100K 5% 1/10W
 R309 1-216-097-91 s METAL 100K 5% 1/10W
 R310 1-216-097-91 s METAL 100K 5% 1/10W

R311 1-216-097-91 s METAL 100K 5% 1/10W
 R312 1-216-097-91 s METAL 100K 5% 1/10W
 R313 1-216-097-91 s METAL 100K 5% 1/10W
 R314 1-216-097-91 s METAL 100K 5% 1/10W
 R315 1-216-097-91 s METAL 100K 5% 1/10W

R316 1-216-097-91 s METAL 100K 5% 1/10W
 R317 1-216-097-91 s METAL 100K 5% 1/10W
 R318 1-216-073-00 s METAL, CHIP 10K 5% 1/10W
 R319 1-216-073-00 s METAL, CHIP 10K 5% 1/10W
 R320 1-216-073-00 s METAL, CHIP 10K 5% 1/10W

S301 1-762-348-11 s SWITCH, TOGGLE
 S302 1-762-347-11 s SWITCH, TOGGLE

W302 1-956-516-11 o HARNESS, SUB (SW791)
 W303 1-956-520-11 o HARNESS, SUB (SW792)

TG-175/175(P) BOARD

Ref. No.
or Q'ty Part No. SP Description

1pc A-8311-107-A o MOUNTED CIRCUIT BOARD, TG-175
 [for J, UC]
 1pc A-8311-145-A o MOUNTED CIRCUIT BOARD, TG-175(P)
 [for CE]

C1 1-104-851-11 s TANTALUM, CHIP 10uF 20% 10V
 C2 1-162-970-11 s CERAMIC, CHIP 0.01uF 10% 25V
 C3 1-162-970-11 s CERAMIC, CHIP 0.01uF 10% 25V
 C4 1-162-970-11 s CERAMIC, CHIP 0.01uF 10% 25V
 C5 1-104-851-11 s TANTALUM, CHIP 10uF 20% 10V

C6 1-104-851-11 s TANTALUM, CHIP 10uF 20% 10V
 C7 1-162-970-11 s CERAMIC, CHIP 0.01uF 10% 25V
 C9 1-162-970-11 s CERAMIC, CHIP 0.01uF 10% 25V
 C10 1-162-970-11 s CERAMIC, CHIP 0.01uF 10% 25V
 C11 1-126-394-11 s ELECT, CHIP 10uF 20% 16V

C12 1-162-970-11 s CERAMIC, CHIP 0.01uF 10% 25V
 C13 1-162-970-11 s CERAMIC, CHIP 0.01uF 10% 25V
 C14 1-162-970-11 s CERAMIC, CHIP 0.01uF 10% 25V
 C15 1-126-394-11 s ELECT, CHIP 10uF 20% 16V
 C16 1-162-970-11 s CERAMIC, CHIP 0.01uF 10% 25V

C17 1-162-970-11 s CERAMIC, CHIP 0.01uF 10% 25V
 C18 1-164-156-11 s CERAMIC 0.1uF 25V
 C19 1-104-823-11 s TANTALUM, CHIP 47uF 20% 16V
 C20 1-164-156-11 s CERAMIC 0.1uF 25V
 C21 1-164-156-11 s CERAMIC 0.1uF 25V

C22 1-164-156-11 s CERAMIC 0.1uF 25V
 C23 1-164-156-11 s CERAMIC 0.1uF 25V
 C24 1-126-396-11 s ELECT, CHIP 47uF 20% 16V
 C25 1-126-393-11 s ELECT 33uF 20% 10V
 C26 1-162-970-11 s CERAMIC, CHIP 0.01uF 10% 25V

C27 1-126-405-11 s ELECT 10uF 20% 50V
 C29 1-162-927-11 s CERAMIC, CHIP 100PF 5% 50V
 C30 1-164-156-11 s CERAMIC 0.1uF 25V
 C31 1-104-920-11 s TANTALUM 4.7uF 20% 35V
 C32 1-126-400-11 s ELECT, CHIP 22uF 20% 35V

C33 1-162-970-11 s CERAMIC, CHIP 0.01uF 10% 25V
 C34 1-126-397-11 s ELECT, CHIP 33uF 20% 25V
 C35 1-162-927-11 s CERAMIC, CHIP 100PF 5% 50V
 C36 1-164-156-11 s CERAMIC 0.1uF 25V
 C37 1-104-920-11 s TANTALUM 4.7uF 20% 35V

C38 1-126-397-11 s ELECT, CHIP 33uF 20% 25V
 C39 1-162-970-11 s CERAMIC, CHIP 0.01uF 10% 25V
 C40 1-126-395-11 s ELECT, CHIP 22uF 20% 16V
 C41 1-164-156-11 s CERAMIC 0.1uF 25V
 C42 1-104-823-11 s TANTALUM, CHIP 47uF 20% 16V

C43 1-162-970-11 s CERAMIC, CHIP 0.01uF 10% 25V
 C44 1-162-970-11 s CERAMIC, CHIP 0.01uF 10% 25V
 C45 1-113-500-11 s TANTALUM 100uF 20% 10V
 C46 1-162-970-11 s CERAMIC, CHIP 0.01uF 10% 25V
 C47 1-162-964-11 s CERAMIC 0.001uF 10% 50V

C48 1-162-970-11 s CERAMIC, CHIP 0.01uF 10% 25V
 C49 1-162-970-11 s CERAMIC, CHIP 0.01uF 10% 25V
 C50 1-104-852-11 s TANTALUM, CHIP 22uF 20% 10V
 C51 1-162-970-11 s CERAMIC, CHIP 0.01uF 10% 25V
 C52 1-107-910-11 s ELECT 100uF 20% 50V

C54 1-162-970-11 s CERAMIC, CHIP 0.01uF 10% 25V
 C55 1-162-970-11 s CERAMIC, CHIP 0.01uF 10% 25V
 C56 1-162-964-11 s CERAMIC 0.001uF 10% 50V
 C57 1-162-970-11 s CERAMIC, CHIP 0.01uF 10% 25V
 C58 1-104-852-11 s TANTALUM, CHIP 22uF 20% 10V

(TG-175/175(P) BOARD)

Ref. No.
or Q'ty Part No. SP Description

| | |
|------|--|
| C59 | 1-162-964-11 s CERAMIC 0.001uF 10% 50V |
| C60 | 1-162-964-11 s CERAMIC 0.001uF 10% 50V |
| C61 | 1-162-964-11 s CERAMIC 0.001uF 10% 50V |
| C62 | 1-162-970-11 s CERAMIC, CHIP 0.01uF 10% 25V |
| C63 | 1-113-987-11 s TANTALUM 4.7uF 20% 25V |
| C64 | 1-104-919-11 s TANTALUM, CHIP 10uF 20% 25V |
| C65 | 1-164-156-11 s CERAMIC 0.1uF 25V |
| C66 | 1-164-156-11 s CERAMIC 0.1uF 25V |
| C67 | 1-164-156-11 s CERAMIC 0.1uF 25V |
| C68 | 1-104-823-11 s TANTALUM, CHIP 47uF 20% 16V |
| C70 | 1-135-181-21 s TANTALUM, CHIP 4.7uF 10% 6.3V |
| C71 | 1-135-181-21 s TANTALUM, CHIP 4.7uF 10% 6.3V |
| C72 | 1-107-686-11 s TANTALUM, CHIP 4.7uF 20% 16V |
| C73 | 1-113-682-11 s TANTALUM CHIP 33uF |
| C74 | 1-107-686-11 s TANTALUM, CHIP 4.7uF 20% 16V |
| C76 | 1-164-156-11 s CERAMIC 0.1uF 25V |
| C77 | 1-113-991-11 s TANTALUM 33uF 20% 16V |
| C78 | 1-162-970-11 s CERAMIC, CHIP 0.01uF 10% 25V |
| C79 | 1-162-964-11 s CERAMIC 0.001uF 10% 50V |
| C80 | 1-164-156-11 s CERAMIC 0.1uF 25V |
| C81 | 1-164-156-11 s CERAMIC 0.1uF 25V |
| C82 | 1-164-156-11 s CERAMIC 0.1uF 25V |
| C83 | 1-104-823-11 s TANTALUM, CHIP 47uF 20% 16V |
| C84 | 1-104-652-11 s ELECT 470uF 20% 10V |
| C85 | 1-128-528-11 s ELECT 470uF 20% 25V |
| C86 | 1-126-400-11 s ELECT, CHIP 22uF 20% 35V |
| C87 | 1-104-823-11 s TANTALUM, CHIP 47uF 20% 16V |
| C88 | 1-162-970-11 s CERAMIC, CHIP 0.01uF 10% 25V |
| C91 | 1-162-970-11 s CERAMIC, CHIP 0.01uF 10% 25V |
| C92 | 1-104-823-11 s TANTALUM, CHIP 47uF 20% 16V |
| C93 | 1-131-377-00 s TANTALUM 10uF 10% 10V |
| CN1 | 1-569-035-11 o CONNECTOR, FPC (ZIF) 30P |
| CN2 | 1-766-383-11 o CONNECTOR (1.5MM) (SMD) 12P MALE |
| CN3 | 1-766-382-11 o CONNECTOR (1.5MM) (SMD) 10P MALE |
| CN4 | 1-764-007-11 s PIN, CONNECTOR (SMD) 12P |
| CN5 | 1-764-007-11 s PIN, CONNECTOR (SMD) 12P |
| CN6 | 1-766-383-11 o CONNECTOR (1.5MM) (SMD) 12P MALE |
| CN7 | 1-766-383-11 o CONNECTOR (1.5MM) (SMD) 12P MALE |
| CN8 | 1-573-806-21 s PIN, CONNECTOR (1.5MM) (SMD) 6P |
| CN9 | 1-568-336-11 s CONNECTOR, BOARD TO BOARD 20P |
| CN10 | 1-695-320-21 o CONNECTOR (1.5MM) (SMD) 2P MALE |
| CN11 | 1-568-331-11 s CONNECTOR, BOARD TO BOARD 10P |
| CN12 | 1-568-331-11 s CONNECTOR, BOARD TO BOARD 10P |
| CP1 | 1-760-278-11 s OSCILLATOR, CRYSTAL (VCO TYPE) [for J, UC] |
| CP1 | 1-767-206-11 s OSCILLATOR, CRYSTAL 28.5MHz [for CE] |
| D1 | 8-719-029-63 s DIODE RD4.3UH-T1 |
| D2 | 8-719-029-63 s DIODE RD4.3UH-T1 |
| D5 | 8-719-059-51 s DIODE MA3J142EOLSO |
| D6 | 8-719-059-51 s DIODE MA3J142EOLSO |
| D7 | 8-719-059-51 s DIODE MA3J142EOLSO |
| D8 | 8-719-059-51 s DIODE MA3J142EOLSO |
| D9 | 8-719-938-78 s DIODE SB10-05PCP |
| D10 | 8-719-938-78 s DIODE SB10-05PCP |
| D11 | 8-719-059-51 s DIODE MA3J142EOLSO |
| D12 | 8-719-938-78 s DIODE SB10-05PCP |

(TG-175/175(P) BOARD)

Ref. No.
or Q'ty Part No. SP Description

| | |
|------|--|
| FB1 | 1-543-775-11 s FILTER, EMI |
| FB2 | 1-543-775-11 s FILTER, EMI |
| FB3 | 1-543-775-11 s FILTER, EMI |
| FB4 | 1-543-775-11 s FILTER, EMI |
| FB5 | 1-543-775-11 s FILTER, EMI |
| FB6 | 1-543-775-11 s FILTER, EMI |
| FB7 | 1-543-775-11 s FILTER, EMI |
| FB8 | 1-543-775-11 s FILTER, EMI |
| IC1 | 8-759-095-56 s IC X24C08SC7000 |
| IC2 | 8-759-083-94 s IC TC7W74FU |
| IC3 | 8-759-148-39 s IC CXD8095Q |
| IC5 | 8-759-076-06 s IC TL064CPW |
| IC6 | 8-759-076-06 s IC TL064CPW |
| IC7 | 8-759-234-20 s IC TC7S08F |
| IC8 | 8-759-234-20 s IC TC7S08F |
| IC9 | 8-752-353-25 s IC CXD1265R |
| IC10 | 8-759-082-58 s IC TC7W08FU |
| IC11 | 8-759-082-58 s IC TC7W08FU |
| IC12 | 8-759-049-60 s IC SN74HC08APW-E05 |
| IC13 | 8-759-635-27 s IC M62352GP |
| IC14 | 8-759-172-33 s IC UPD16502GS(1) |
| IC15 | 8-759-172-33 s IC UPD16502GS(1) |
| IC16 | 8-759-172-33 s IC UPD16502GS(1) |
| IC17 | 8-759-058-58 s IC TC7S04FU(TE85R) |
| IC18 | 8-759-058-58 s IC TC7S04FU(TE85R) |
| IC19 | 8-759-058-58 s IC TC7S04FU(TE85R) |
| IC20 | 8-759-083-94 s IC TC7W74FU |
| IC21 | 8-759-058-55 s IC TC7S02FU-TE85L |
| IC22 | 8-759-185-42 s IC LM4040AIM3-2.5 |
| IC23 | 8-759-058-62 s IC TC7S08FU(TE85R) |
| L1 | 1-410-389-31 s INDUCTOR CHIP 47uH |
| L2 | 1-410-389-31 s INDUCTOR CHIP 47uH |
| L3 | 1-410-389-31 s INDUCTOR CHIP 47uH |
| L4 | 1-410-369-11 s INDUCTOR CHIP 1uH |
| L5 | 1-410-377-31 s INDUCTOR CHIP 4.7uH |
| L6 | 1-410-369-11 s INDUCTOR CHIP 1uH |
| L7 | 1-410-389-31 s INDUCTOR CHIP 47uH |
| L8 | 1-412-282-41 s INDUCTOR 470uH |
| L9 | 1-410-389-31 s INDUCTOR CHIP 47uH |
| L10 | 1-410-389-31 s INDUCTOR CHIP 47uH |
| L11 | 1-410-369-11 s INDUCTOR CHIP 1uH |
| L12 | 1-410-369-11 s INDUCTOR CHIP 1uH |
| Q1 | 8-729-101-07 s TRANSISTOR 2SB798 |
| Q2 | 8-729-101-07 s TRANSISTOR 2SB798 |
| Q3 | 8-729-807-51 s TRANSISTOR 2SD1623-S |
| Q4 | 8-729-101-07 s TRANSISTOR 2SB798 |
| Q5 | 8-729-120-28 s TRANSISTOR 2SC1623-L5L6 |
| Q6 | 8-729-101-07 s TRANSISTOR 2SB798 |
| Q7 | 8-729-120-28 s TRANSISTOR 2SC1623-L5L6 |
| Q8 | 8-729-101-07 s TRANSISTOR 2SB798 |
| Q9 | 8-729-120-28 s TRANSISTOR 2SC1623-L5L6 |
| Q10 | 8-729-216-22 s TRANSISTOR 2SA1162 |
| Q11 | 8-729-216-22 s TRANSISTOR 2SA1162 |
| Q12 | 8-729-120-28 s TRANSISTOR 2SC1623-L5L6 |
| Q13 | 8-729-120-28 s TRANSISTOR 2SC1623-L5L6 |
| R1 | 1-216-827-11 s METAL, CHIP 3.3K 5% 1/16W |
| R2 | 1-216-821-11 s METAL, CHIP 1K 5% 1/16W |

DXC-D30(J,UC)
DXC-D30(CE)

(TG-175/175(P) BOARD)

(TG-175/175(P) BOARD)

| Ref. No. or Q'ty | Part No. | SP Description | Ref. No. or Q'ty | Part No. | SP Description |
|---------------------|----------------|-----------------------------|---------------------|----------------|-----------------------------|
| R3 | 1-216-839-11 s | METAL, CHIP 33K 5% 1/16W | R64 | 1-216-857-11 s | METAL, CHIP 1M 5% 1/16W |
| R4 | 1-216-845-11 s | METAL, CHIP 100K 5% 1/16W | R65 | 1-216-857-11 s | METAL, CHIP 1M 5% 1/16W |
| R5 | 1-216-797-11 s | METAL, CHIP 10 5% 1/16W | R66 | 1-216-830-11 s | METAL, CHIP 5.6K 5% 1/16W |
| R6 | 1-216-797-11 s | METAL, CHIP 10 5% 1/16W | R67 | 1-216-846-11 s | METAL, CHIP 120K 5% 1/16W |
| R7 | 1-216-797-11 s | METAL, CHIP 10 5% 1/16W | R68 | 1-218-696-11 s | METAL 1.5K 0.50% 1/16W |
| R8 | 1-216-797-11 s | METAL, CHIP 10 5% 1/16W | R71 | 1-216-821-11 s | METAL, CHIP 1K 5% 1/16W |
| R9 | 1-216-797-11 s | METAL, CHIP 10 5% 1/16W | R72 | 1-216-789-11 s | METAL, CHIP 2.2 5% 1/16W |
| R10 | 1-216-809-11 s | METAL, CHIP 100 5% 1/16W | R73 | 1-216-797-11 s | METAL, CHIP 10 5% 1/16W |
| R11 | 1-216-809-11 s | METAL, CHIP 100 5% 1/16W | R74 | 1-216-813-11 s | METAL, CHIP 220 5% 1/16W |
| R12 | 1-218-838-11 s | METAL, CHIP 430 0.50% 1/16W | R75 | 1-216-857-11 s | METAL, CHIP 1M 5% 1/16W |
| R13 | 1-218-838-11 s | METAL, CHIP 430 0.50% 1/16W | R76 | 1-216-857-11 s | METAL, CHIP 1M 5% 1/16W |
| R14 | 1-218-838-11 s | METAL, CHIP 430 0.50% 1/16W | R77 | 1-216-803-11 s | METAL, CHIP 33 5% 1/16W |
| R15 | 1-216-797-11 s | METAL, CHIP 10 5% 1/16W | R78 | 1-216-864-11 s | METAL, CHIP 0 5% 1/16W |
| R16 | 1-216-797-11 s | METAL, CHIP 10 5% 1/16W | R79 | 1-216-864-11 s | METAL, CHIP 0 5% 1/16W |
| R17 | 1-216-797-11 s | METAL, CHIP 10 5% 1/16W | R80 | 1-218-676-11 s | METAL 220 0.50% 1/16W |
| R19 | 1-216-821-11 s | METAL, CHIP 1K 5% 1/16W | R81 | 1-218-676-11 s | METAL 220 0.50% 1/16W |
| R20 | 1-216-821-11 s | METAL, CHIP 1K 5% 1/16W | R82 | 1-216-864-11 s | METAL, CHIP 0 5% 1/16W |
| R21 | 1-216-821-11 s | METAL, CHIP 1K 5% 1/16W | R83 | 1-218-881-11 s | METAL, CHIP 27K 0.50% 1/16W |
| R22 | 1-216-821-11 s | METAL, CHIP 1K 5% 1/16W | R84 | 1-216-789-11 s | METAL, CHIP 2.2 5% 1/16W |
| R23 | 1-218-716-11 s | METAL 10K 0.50% 1/16W | R85 | 1-216-789-11 s | METAL, CHIP 2.2 5% 1/16W |
| R24 | 1-218-716-11 s | METAL 10K 0.50% 1/16W | R87 | 1-216-821-11 s | METAL, CHIP 1K 5% 1/16W |
| R25 | 1-218-732-11 s | METAL 47K 0.50% 1/16W | R88 | 1-216-821-11 s | METAL, CHIP 1K 5% 1/16W |
| R26 | 1-218-722-11 s | METAL, CHIP 18K 0.50% 1/16W | | | |
| R27 | 1-218-881-11 s | METAL, CHIP 27K 0.50% 1/16W | | | |
| R28 | 1-218-725-11 s | METAL 24K 0.50% 1/16W | | | |
| R29 | 1-218-736-11 s | METAL 68K 0.50% 1/16W | | | |
| R30 | 1-216-825-11 s | METAL, CHIP 2.2K 5% 1/16W | | | |
| R31 | 1-216-827-11 s | METAL, CHIP 3.3K 5% 1/16W | | | |
| R32 | 1-216-821-11 s | METAL, CHIP 1K 5% 1/16W | | | |
| R33 | 1-216-821-11 s | METAL, CHIP 1K 5% 1/16W | | | |
| R34 | 1-218-741-11 s | METAL 110K 0.50% 1/16W | | | |
| R35 | 1-218-716-11 s | METAL 10K 0.50% 1/16W | | | |
| R36 | 1-216-821-11 s | METAL, CHIP 1K 5% 1/16W | | | |
| R37 | 1-216-827-11 s | METAL, CHIP 3.3K 5% 1/16W | | | |
| R38 | 1-216-821-11 s | METAL, CHIP 1K 5% 1/16W | | | |
| R39 | 1-216-821-11 s | METAL, CHIP 1K 5% 1/16W | | | |
| R40 | 1-218-741-11 s | METAL 110K 0.50% 1/16W | | | |
| R41 | 1-218-724-11 s | METAL 22K 0.50% 1/16W | | | |
| R42 | 1-216-821-11 s | METAL, CHIP 1K 5% 1/16W | | | |
| R43 | 1-216-821-11 s | METAL, CHIP 1K 5% 1/16W | | | |
| R44 | 1-216-821-11 s | METAL, CHIP 1K 5% 1/16W | | | |
| R45 | 1-218-883-11 s | METAL 33K 0.50% 1/16W | | | |
| R46 | 1-218-688-11 s | METAL 680 0.50% 1/16W | | | |
| R47 | 1-218-725-11 s | METAL 24K 0.50% 1/16W | | | |
| R48 | 1-216-845-11 s | METAL, CHIP 100K 5% 1/16W | | | |
| R49 | 1-216-845-11 s | METAL, CHIP 100K 5% 1/16W | | | |
| R50 | 1-216-821-11 s | METAL, CHIP 1K 5% 1/16W | | | |
| R52 | 1-216-845-11 s | METAL, CHIP 100K 5% 1/16W | | | |
| R53 | 1-216-797-11 s | METAL, CHIP 10 5% 1/16W | | | |
| R54 | 1-216-797-11 s | METAL, CHIP 10 5% 1/16W | | | |
| R55 | 1-216-797-11 s | METAL, CHIP 10 5% 1/16W | | | |
| R56 | 1-216-845-11 s | METAL, CHIP 100K 5% 1/16W | | | |
| R57 | 1-216-825-11 s | METAL, CHIP 2.2K 5% 1/16W | | | |
| R58 | 1-216-833-11 s | METAL, CHIP 10K 5% 1/16W | | | |
| R59 | 1-216-833-11 s | METAL, CHIP 10K 5% 1/16W | | | |
| R60 | 1-216-799-11 s | METAL, CHIP 15 5% 1/16W | | | |
| R61 | 1-216-799-11 s | METAL, CHIP 15 5% 1/16W | | | |
| R62 | 1-216-801-11 s | METAL, CHIP 22 5% 1/16W | | | |
| R63 | 1-216-857-11 s | METAL, CHIP 1M 5% 1/16W | | | |

VA-169 BOARD

(VA-169 BOARD)

| Ref. No. or Q'ty | Part No. | SP Description | Ref. No. or Q'ty | Part No. | SP Description |
|---------------------|----------------|---------------------------------|---------------------|----------------|------------------------------|
| 1pc | A-8311-123-A | o MOUNTED CIRCUIT BOARD, VA-169 | C109 | 1-104-851-11 s | TANTALUM, CHIP 10uF 20% 10V |
| 3pcs | 3-729-061-01 s | SCREW (M2X4.5) (TYPE 1) | C110 | 1-162-917-11 s | CERAMIC, CHIP 15PF 5% 50V |
| C1 | 1-104-823-11 s | TANTALUM, CHIP 47uF 20% 16V | C111 | 1-164-156-11 s | CERAMIC 0.1uF 25V |
| C2 | 1-113-682-11 s | TANTALUM CHIP 33uF 20% 10V | C113 | 1-162-905-11 s | CERAMIC 1PF 0.25PF 50V |
| C3 | 1-113-682-11 s | TANTALUM CHIP 33uF 20% 10V | C114 | 1-162-915-11 s | CERAMIC, CHIP 10PF 0.5PF 50V |
| C4 | 1-164-156-11 s | CERAMIC 0.1uF 25V | C115 | 1-162-915-11 s | CERAMIC, CHIP 10PF 0.5PF 50V |
| C5 | 1-164-156-11 s | CERAMIC 0.1uF 25V | C116 | 1-164-156-11 s | CERAMIC 0.1uF 25V |
| C6 | 1-164-156-11 s | CERAMIC 0.1uF 25V | C117 | 1-162-910-11 s | CERAMIC 5PF 0.25PF 50V |
| C7 | 1-107-686-11 s | TANTALUM, CHIP 4.7uF 20% 16V | C118 | 1-107-686-11 s | TANTALUM, CHIP 4.7uF 20% 16V |
| C8 | 1-110-569-11 s | TANTALUM 47uF 20% 6.3V | C119 | 1-164-156-11 s | CERAMIC 0.1uF 25V |
| C9 | 1-104-563-11 s | FILM, CHIP 0.1uF 5% 16V | C120 | 1-162-919-11 s | CERAMIC, CHIP 22PF 5% 50V |
| C10 | 1-104-563-11 s | FILM, CHIP 0.1uF 5% 16V | C121 | 1-107-686-11 s | TANTALUM, CHIP 4.7uF 20% 16V |
| C11 | 1-104-563-11 s | FILM, CHIP 0.1uF 5% 16V | C122 | 1-104-851-11 s | TANTALUM, CHIP 10uF 20% 10V |
| C12 | 1-162-957-11 s | CERAMIC 220PF 5% 50V | C123 | 1-164-156-11 s | CERAMIC 0.1uF 25V |
| C13 | 1-164-156-11 s | CERAMIC 0.1uF 25V | C124 | 1-164-156-11 s | CERAMIC 0.1uF 25V |
| C14 | 1-164-156-11 s | CERAMIC 0.1uF 25V | C125 | 1-164-156-11 s | CERAMIC 0.1uF 25V |
| C15 | 1-164-156-11 s | CERAMIC 0.1uF 25V | C126 | 1-164-156-11 s | CERAMIC 0.1uF 25V |
| C16 | 1-164-156-11 s | CERAMIC 0.1uF 25V | C127 | 1-162-919-11 s | CERAMIC, CHIP 22PF 5% 50V |
| C17 | 1-164-156-11 s | CERAMIC 0.1uF 25V | C128 | 1-107-689-21 s | TANTALUM 1uF 20% 35V |
| C18 | 1-107-686-11 s | TANTALUM, CHIP 4.7uF 20% 16V | C129 | 1-164-156-11 s | CERAMIC 0.1uF 25V |
| C19 | 1-107-686-11 s | TANTALUM, CHIP 4.7uF 20% 16V | C130 | 1-104-851-11 s | TANTALUM, CHIP 10uF 20% 10V |
| C20 | 1-164-156-11 s | CERAMIC 0.1uF 25V | C131 | 1-164-156-11 s | CERAMIC 0.1uF 25V |
| C21 | 1-164-156-11 s | CERAMIC 0.1uF 25V | C132 | 1-107-686-11 s | TANTALUM, CHIP 4.7uF 20% 16V |
| C22 | 1-164-156-11 s | CERAMIC 0.1uF 25V | C133 | 1-164-156-11 s | CERAMIC 0.1uF 25V |
| C27 | 1-164-156-11 s | CERAMIC 0.1uF 25V | C134 | 1-164-156-11 s | CERAMIC 0.1uF 25V |
| C28 | 1-104-851-11 s | TANTALUM, CHIP 10uF 20% 10V | C135 | 1-164-156-11 s | CERAMIC 0.1uF 25V |
| C29 | 1-107-686-11 s | TANTALUM, CHIP 4.7uF 20% 16V | C136 | 1-107-689-21 s | TANTALUM 1uF 20% 35V |
| C30 | 1-107-686-11 s | TANTALUM, CHIP 4.7uF 20% 16V | C137 | 1-117-136-21 s | ELECT 10uF 20% 6.3V |
| C31 | 1-164-156-11 s | CERAMIC 0.1uF 25V | C138 | 1-164-156-11 s | CERAMIC 0.1uF 25V |
| C33 | 1-113-682-11 s | TANTALUM CHIP 33uF 20% 10V | C139 | 1-162-970-11 s | CERAMIC, CHIP 0.01uF 10% 25V |
| C34 | 1-113-682-11 s | TANTALUM CHIP 33uF 20% 10V | C140 | 1-104-851-11 s | TANTALUM, CHIP 10uF 20% 10V |
| C35 | 1-104-852-11 s | TANTALUM, CHIP 22uF 20% 10V | C141 | 1-162-907-11 s | CERAMIC, CHIP 2PF 50V |
| C36 | 1-104-852-11 s | TANTALUM, CHIP 22uF 20% 10V | C144 | 1-162-910-11 s | CERAMIC 5PF 0.25PF 50V |
| C37 | 1-164-156-11 s | CERAMIC 0.1uF 25V | C145 | 1-107-686-11 s | TANTALUM, CHIP 4.7uF 20% 16V |
| C38 | 1-164-156-11 s | CERAMIC 0.1uF 25V | C146 | 1-104-914-11 s | TANTALUM 22uF 20% 16V |
| C39 | 1-164-156-11 s | CERAMIC 0.1uF 25V | C147 | 1-107-686-11 s | TANTALUM, CHIP 4.7uF 20% 16V |
| C40 | 1-164-156-11 s | CERAMIC 0.1uF 25V | C148 | 1-107-686-11 s | TANTALUM, CHIP 4.7uF 20% 16V |
| C41 | 1-113-682-11 s | TANTALUM CHIP 33uF 20% 10V | C149 | 1-117-139-21 s | ELECT 2.2uF 20% 35V |
| C42 | 1-104-851-11 s | TANTALUM, CHIP 10uF 20% 10V | C150 | 1-107-686-11 s | TANTALUM, CHIP 4.7uF 20% 16V |
| C43 | 1-164-156-11 s | CERAMIC 0.1uF 25V | C151 | 1-107-686-11 s | TANTALUM, CHIP 4.7uF 20% 16V |
| C44 | 1-104-823-11 s | TANTALUM, CHIP 47uF 20% 16V | C152 | 1-117-136-21 s | ELECT 10uF 20% 6.3V |
| C45 | 1-104-852-11 s | TANTALUM, CHIP 22uF 20% 10V | C153 | 1-113-682-11 s | TANTALUM CHIP 33uF 20% 10V |
| C46 | 1-107-689-21 s | TANTALUM 1uF 20% 35V | C154 | 1-113-682-11 s | TANTALUM CHIP 33uF 20% 10V |
| C47 | 1-164-156-11 s | CERAMIC 0.1uF 25V | C155 | 1-113-682-11 s | TANTALUM CHIP 33uF 20% 10V |
| C48 | 1-164-156-11 s | CERAMIC 0.1uF 25V | C156 | 1-164-156-11 s | CERAMIC 0.1uF 25V |
| C49 | 1-164-156-11 s | CERAMIC 0.1uF 25V | C157 | 1-107-686-11 s | TANTALUM, CHIP 4.7uF 20% 16V |
| C50 | 1-164-156-11 s | CERAMIC 0.1uF 25V | C158 | 1-164-156-11 s | CERAMIC 0.1uF 25V |
| C51 | 1-164-156-11 s | CERAMIC 0.1uF 25V | C159 | 1-107-686-11 s | TANTALUM, CHIP 4.7uF 20% 16V |
| C52 | 1-164-156-11 s | CERAMIC 0.1uF 25V | C160 | 1-164-156-11 s | CERAMIC 0.1uF 25V |
| C53 | 1-162-923-11 s | CERAMIC, CHIP 47PF 5% 50V | C161 | 1-164-156-11 s | CERAMIC 0.1uF 25V |
| C101 | 1-113-682-11 s | TANTALUM CHIP 33uF 20% 10V | C162 | 1-164-156-11 s | CERAMIC 0.1uF 25V |
| C102 | 1-113-682-11 s | TANTALUM CHIP 33uF 20% 10V | C163 | 1-164-156-11 s | CERAMIC 0.1uF 25V |
| C103 | 1-164-156-11 s | CERAMIC 0.1uF 25V | C164 | 1-164-156-11 s | CERAMIC 0.1uF 25V |
| C104 | 1-162-921-11 s | CERAMIC, CHIP 33PF 5% 50V | C165 | 1-110-569-11 s | TANTALUM 47uF 20% 6.3V |
| C105 | 1-162-923-11 s | CERAMIC, CHIP 47PF 5% 50V | C166 | 1-162-907-11 s | CERAMIC, CHIP 2PF 50V |
| C106 | 1-162-916-11 s | CERAMIC, CHIP 12PF 5% 50V | C168 | 1-162-915-11 s | CERAMIC, CHIP 10PF 0.5PF 50V |
| C107 | 1-164-156-11 s | CERAMIC 0.1uF 25V | C169 | 1-162-910-11 s | CERAMIC 5PF 0.25PF 50V |
| C108 | 1-164-156-11 s | CERAMIC 0.1uF 25V | C170 | 1-164-315-11 s | CERAMIC 470PF 5% 50V |
| | | | C171 | 1-162-925-11 s | CERAMIC, CHIP 68PF 5% 50V |

(VA-169 BOARD)

| Ref. No. or Q'ty | Part No. | SP Description |
|---------------------|----------------|------------------------------|
| C201 | 1-113-682-11 s | TANTALUM CHIP 33uF 20% 10V |
| C202 | 1-113-682-11 s | TANTALUM CHIP 33uF 20% 10V |
| C203 | 1-164-156-11 s | CERAMIC 0.1uF 25V |
| C204 | 1-162-921-11 s | CERAMIC, CHIP 33PF 5% 50V |
| C205 | 1-162-923-11 s | CERAMIC, CHIP 47PF 5% 50V |
| C206 | 1-162-916-11 s | CERAMIC, CHIP 12PF 5% 50V |
| C207 | 1-164-156-11 s | CERAMIC 0.1uF 25V |
| C208 | 1-164-156-11 s | CERAMIC 0.1uF 25V |
| C209 | 1-104-851-11 s | TANTALUM, CHIP 10uF 20% 10V |
| C210 | 1-162-917-11 s | CERAMIC, CHIP 15PF 5% 50V |
| C211 | 1-164-156-11 s | CERAMIC 0.1uF 25V |
| C213 | 1-162-905-11 s | CERAMIC 1PF 0.25PF 50V |
| C214 | 1-162-915-11 s | CERAMIC, CHIP 10PF 0.5PF 50V |
| C215 | 1-162-915-11 s | CERAMIC, CHIP 10PF 0.5PF 50V |
| C216 | 1-164-156-11 s | CERAMIC 0.1uF 25V |
| C217 | 1-162-910-11 s | CERAMIC 5PF 0.25PF 50V |
| C218 | 1-107-686-11 s | TANTALUM, CHIP 4.7uF 20% 16V |
| C219 | 1-164-156-11 s | CERAMIC 0.1uF 25V |
| C220 | 1-162-919-11 s | CERAMIC, CHIP 22PF 5% 50V |
| C221 | 1-107-686-11 s | TANTALUM, CHIP 4.7uF 20% 16V |
| C222 | 1-104-851-11 s | TANTALUM, CHIP 10uF 20% 10V |
| C223 | 1-164-156-11 s | CERAMIC 0.1uF 25V |
| C224 | 1-164-156-11 s | CERAMIC 0.1uF 25V |
| C225 | 1-164-156-11 s | CERAMIC 0.1uF 25V |
| C226 | 1-164-156-11 s | CERAMIC 0.1uF 25V |
| C227 | 1-162-919-11 s | CERAMIC, CHIP 22PF 5% 50V |
| C228 | 1-107-689-21 s | TANTALUM 1uF 20% 35V |
| C229 | 1-164-156-11 s | CERAMIC 0.1uF 25V |
| C230 | 1-104-851-11 s | TANTALUM, CHIP 10uF 20% 10V |
| C231 | 1-164-156-11 s | CERAMIC 0.1uF 25V |
| C232 | 1-107-686-11 s | TANTALUM, CHIP 4.7uF 20% 16V |
| C233 | 1-164-156-11 s | CERAMIC 0.1uF 25V |
| C234 | 1-164-156-11 s | CERAMIC 0.1uF 25V |
| C235 | 1-164-156-11 s | CERAMIC 0.1uF 25V |
| C236 | 1-107-689-21 s | TANTALUM 1uF 20% 35V |
| C237 | 1-117-136-21 s | ELECT 10uF 20% 6.3V |
| C238 | 1-164-156-11 s | CERAMIC 0.1uF 25V |
| C239 | 1-162-970-11 s | CERAMIC, CHIP 0.01uF 10% 25V |
| C240 | 1-104-851-11 s | TANTALUM, CHIP 10uF 20% 10V |
| C241 | 1-162-907-11 s | CERAMIC, CHIP 2PF 50V |
| C244 | 1-162-910-11 s | CERAMIC 5PF 0.25PF 50V |
| C245 | 1-107-686-11 s | TANTALUM, CHIP 4.7uF 20% 16V |
| C246 | 1-104-914-11 s | TANTALUM 22uF 20% 16V |
| C247 | 1-107-686-11 s | TANTALUM, CHIP 4.7uF 20% 16V |
| C248 | 1-107-686-11 s | TANTALUM, CHIP 4.7uF 20% 16V |
| C249 | 1-117-139-21 s | ELECT 2.2uF 20% 35V |
| C250 | 1-107-686-11 s | TANTALUM, CHIP 4.7uF 20% 16V |
| C251 | 1-107-686-11 s | TANTALUM, CHIP 4.7uF 20% 16V |
| C252 | 1-117-136-21 s | ELECT 10uF 20% 6.3V |
| C253 | 1-113-682-11 s | TANTALUM CHIP 33uF 20% 10V |
| C254 | 1-113-682-11 s | TANTALUM CHIP 33uF 20% 10V |
| C255 | 1-113-682-11 s | TANTALUM CHIP 33uF 20% 10V |
| C256 | 1-164-156-11 s | CERAMIC 0.1uF 25V |
| C257 | 1-107-686-11 s | TANTALUM, CHIP 4.7uF 20% 16V |
| C258 | 1-164-156-11 s | CERAMIC 0.1uF 25V |
| C259 | 1-107-686-11 s | TANTALUM, CHIP 4.7uF 20% 16V |
| C260 | 1-164-156-11 s | CERAMIC 0.1uF 25V |
| C261 | 1-164-156-11 s | CERAMIC 0.1uF 25V |
| C262 | 1-164-156-11 s | CERAMIC 0.1uF 25V |

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| Ref. No. or Q'ty | Part No. | SP Description |
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| C263 | 1-164-156-11 s | CERAMIC 0.1uF 25V |
| C264 | 1-164-156-11 s | CERAMIC 0.1uF 25V |
| C265 | 1-110-569-11 s | TANTALUM 47uF 20% 6.3V |
| C266 | 1-162-907-11 s | CERAMIC, CHIP 2PF 50V |
| C268 | 1-162-915-11 s | CERAMIC, CHIP 10PF 0.5PF 50V |
| C269 | 1-162-910-11 s | CERAMIC 5PF 0.25PF 50V |
| C270 | 1-164-315-11 s | CERAMIC 470PF 5% 50V |
| C271 | 1-162-925-11 s | CERAMIC, CHIP 68PF 5% 50V |
| C301 | 1-113-682-11 s | TANTALUM CHIP 33uF 20% 10V |
| C302 | 1-113-682-11 s | TANTALUM CHIP 33uF 20% 10V |
| C303 | 1-164-156-11 s | CERAMIC 0.1uF 25V |
| C304 | 1-162-921-11 s | CERAMIC, CHIP 33PF 5% 50V |
| C305 | 1-162-923-11 s | CERAMIC, CHIP 47PF 5% 50V |
| C306 | 1-162-916-11 s | CERAMIC, CHIP 12PF 5% 50V |
| C307 | 1-164-156-11 s | CERAMIC 0.1uF 25V |
| C308 | 1-164-156-11 s | CERAMIC 0.1uF 25V |
| C309 | 1-104-851-11 s | TANTALUM, CHIP 10uF 20% 10V |
| C310 | 1-162-917-11 s | CERAMIC, CHIP 15PF 5% 50V |
| C311 | 1-164-156-11 s | CERAMIC 0.1uF 25V |
| C313 | 1-162-905-11 s | CERAMIC 1PF 0.25PF 50V |
| C314 | 1-162-915-11 s | CERAMIC, CHIP 10PF 0.5PF 50V |
| C315 | 1-162-915-11 s | CERAMIC, CHIP 10PF 0.5PF 50V |
| C316 | 1-164-156-11 s | CERAMIC 0.1uF 25V |
| C317 | 1-162-910-11 s | CERAMIC 5PF 0.25PF 50V |
| C318 | 1-107-686-11 s | TANTALUM, CHIP 4.7uF 20% 16V |
| C319 | 1-164-156-11 s | CERAMIC 0.1uF 25V |
| C320 | 1-162-919-11 s | CERAMIC, CHIP 22PF 5% 50V |
| C321 | 1-107-686-11 s | TANTALUM, CHIP 4.7uF 20% 16V |
| C322 | 1-104-851-11 s | TANTALUM, CHIP 10uF 20% 10V |
| C323 | 1-164-156-11 s | CERAMIC 0.1uF 25V |
| C324 | 1-164-156-11 s | CERAMIC 0.1uF 25V |
| C325 | 1-164-156-11 s | CERAMIC 0.1uF 25V |
| C326 | 1-164-156-11 s | CERAMIC 0.1uF 25V |
| C327 | 1-162-919-11 s | CERAMIC, CHIP 22PF 5% 50V |
| C328 | 1-107-689-21 s | TANTALUM 1uF 20% 35V |
| C329 | 1-164-156-11 s | CERAMIC 0.1uF 25V |
| C330 | 1-104-851-11 s | TANTALUM, CHIP 10uF 20% 10V |
| C331 | 1-164-156-11 s | CERAMIC 0.1uF 25V |
| C332 | 1-107-686-11 s | TANTALUM, CHIP 4.7uF 20% 16V |
| C333 | 1-164-156-11 s | CERAMIC 0.1uF 25V |
| C334 | 1-164-156-11 s | CERAMIC 0.1uF 25V |
| C335 | 1-164-156-11 s | CERAMIC 0.1uF 25V |
| C336 | 1-107-689-21 s | TANTALUM 1uF 20% 35V |
| C337 | 1-117-136-21 s | ELECT 10uF 20% 6.3V |
| C338 | 1-164-156-11 s | CERAMIC 0.1uF 25V |
| C339 | 1-162-970-11 s | CERAMIC, CHIP 0.01uF 10% 25V |
| C340 | 1-104-851-11 s | TANTALUM, CHIP 10uF 20% 10V |
| C341 | 1-162-907-11 s | CERAMIC, CHIP 2PF 50V |
| C344 | 1-162-910-11 s | CERAMIC 5PF 0.25PF 50V |
| C345 | 1-107-686-11 s | TANTALUM, CHIP 4.7uF 20% 16V |
| C346 | 1-104-914-11 s | TANTALUM 22uF 20% 16V |
| C347 | 1-107-686-11 s | TANTALUM, CHIP 4.7uF 20% 16V |
| C348 | 1-107-686-11 s | TANTALUM, CHIP 4.7uF 20% 16V |
| C349 | 1-117-139-21 s | ELECT 2.2uF 20% 35V |
| C350 | 1-107-686-11 s | TANTALUM, CHIP 4.7uF 20% 16V |
| C351 | 1-107-686-11 s | TANTALUM, CHIP 4.7uF 20% 16V |
| C352 | 1-117-136-21 s | ELECT 10uF 20% 6.3V |
| C353 | 1-113-682-11 s | TANTALUM CHIP 33uF 20% 10V |
| C354 | 1-113-682-11 s | TANTALUM CHIP 33uF 20% 10V |

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| Ref. No. or Q'ty | Part No. | SP Description |
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C355 1-113-682-11 s TANTALUM CHIP 33uF 20% 10V
 C356 1-164-156-11 s CERAMIC 0.1uF 25V
 C357 1-107-686-11 s TANTALUM, CHIP 4.7uF 20% 16V
 C358 1-164-156-11 s CERAMIC 0.1uF 25V
 C359 1-107-686-11 s TANTALUM, CHIP 4.7uF 20% 16V

C360 1-164-156-11 s CERAMIC 0.1uF 25V
 C361 1-164-156-11 s CERAMIC 0.1uF 25V
 C362 1-164-156-11 s CERAMIC 0.1uF 25V
 C363 1-164-156-11 s CERAMIC 0.1uF 25V
 C364 1-164-156-11 s CERAMIC 0.1uF 25V

C365 1-110-569-11 s TANTALUM 47uF 20% 6.3V
 C366 1-162-907-11 s CERAMIC, CHIP 2PF 50V
 C368 1-162-915-11 s CERAMIC, CHIP 10PF 0.5PF 50V
 C369 1-162-910-11 s CERAMIC 5PF 0.25PF 50V
 C370 1-164-315-11 s CERAMIC 470PF 5% 50V

C371 1-162-925-11 s CERAMIC, CHIP 68PF 5% 50V

D1 8-719-421-69 s DIODE MA133
 D4 8-719-029-63 s DIODE RD4.3UH-T1
 D5 8-719-029-63 s DIODE RD4.3UH-T1
 D101 8-719-421-69 s DIODE MA133
 D102 8-719-421-69 s DIODE MA133

D201 8-719-421-69 s DIODE MA133
 D202 8-719-421-69 s DIODE MA133
 D301 8-719-421-69 s DIODE MA133
 D302 8-719-421-69 s DIODE MA133

FL101 1-233-342-11 s FILTER, TRAP
 FL201 1-233-342-11 s FILTER, TRAP
 FL301 1-233-342-11 s FILTER, TRAP

IC1 8-759-635-27 s IC M62352GP
 IC2 8-759-059-50 s IC MB88351PFV
 IC3 8-759-066-61 s IC TC4053BFS
 IC4 8-759-076-06 s IC TL064CPW
 IC5 8-759-066-61 s IC TC4053BFS

IC7 8-759-050-14 s IC SN74HC175APW-E05
 IC9 8-759-058-62 s IC TC7S08FU(TE85R)
 IC10 8-759-049-60 s IC SN74HC08APW-E05
 IC11 8-759-049-96 s IC SN74HC32APW-E20
 IC12 8-759-079-61 s IC TC74VHC74FS(EL)

IC13 8-759-049-58 s IC SN74HC04APW-E05
 IC14 8-759-173-16 s IC TL062CPW
 IC15 8-759-076-06 s IC TL064CPW
 IC101 8-759-066-61 s IC TC4053BFS
 IC102 8-759-271-18 s IC NJM1496V

IC103 8-759-066-61 s IC TC4053BFS
 IC105 8-759-271-18 s IC NJM1496V
 IC106 8-759-066-61 s IC TC4053BFS
 IC107 8-759-076-06 s IC TL064CPW
 IC108 8-752-376-32 s IC CXD2310AR

IC201 8-759-066-61 s IC TC4053BFS
 IC202 8-759-271-18 s IC NJM1496V
 IC203 8-759-066-61 s IC TC4053BFS
 IC205 8-759-271-18 s IC NJM1496V
 IC206 8-759-066-61 s IC TC4053BFS

IC207 8-759-076-06 s IC TL064CPW
 IC208 8-752-376-32 s IC CXD2310AR
 IC301 8-759-066-61 s IC TC4053BFS
 IC302 8-759-271-18 s IC NJM1496V
 IC303 8-759-066-61 s IC TC4053BFS

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| Ref. No. or Q'ty | Part No. | SP Description |
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IC305 8-759-271-18 s IC NJM1496V
 IC306 8-759-066-61 s IC TC4053BFS
 IC307 8-759-076-06 s IC TL064CPW
 IC308 8-752-376-32 s IC CXD2310AR

L1 1-412-951-11 s INDUCTOR 10uH
 L101 1-412-961-11 s INDUCTOR 68uH
 L102 1-412-957-11 s INDUCTOR 33uH
 L103 1-412-951-11 s INDUCTOR 10uH
 L104 1-412-951-11 s INDUCTOR 10uH

L201 1-412-961-11 s INDUCTOR 68uH
 L202 1-412-957-11 s INDUCTOR 33uH
 L203 1-412-951-11 s INDUCTOR 10uH
 L204 1-412-951-11 s INDUCTOR 10uH
 L301 1-412-961-11 s INDUCTOR 68uH

L302 1-412-957-11 s INDUCTOR 33uH
 L303 1-412-951-11 s INDUCTOR 10uH
 L304 1-412-951-11 s INDUCTOR 10uH

Q1 8-729-402-84 s TRANSISTOR XN4601
 Q2 8-729-420-20 s TRANSISTOR XN4312
 Q3 8-729-402-19 s TRANSISTOR XN6501
 Q4 8-729-402-84 s TRANSISTOR XN4601
 Q6 8-729-101-07 s TRANSISTOR 2SB798

Q7 8-729-807-51 s TRANSISTOR 2SD1623-S
 Q8 8-729-101-07 s TRANSISTOR 2SB798
 Q9 8-729-101-07 s TRANSISTOR 2SB798
 Q101 8-729-402-78 s TRANSISTOR XN6401
 Q102 8-729-402-19 s TRANSISTOR XN6501

Q103 8-729-117-72 s TRANSISTOR 2SC4178
 Q104 8-729-142-90 s TRANSISTOR 2SK853-K5
 Q105 8-729-143-07 s TRANSISTOR 2SA1610-Y33
 Q106 8-729-026-53 s TRANSISTOR 2SA1576A-T106-QR
 Q107 8-729-143-07 s TRANSISTOR 2SA1610-Y33

Q108 8-729-117-72 s TRANSISTOR 2SC4178
 Q109 8-729-143-07 s TRANSISTOR 2SA1610-Y33
 Q110 8-729-026-53 s TRANSISTOR 2SA1576A-T106-QR
 Q111 8-729-143-07 s TRANSISTOR 2SA1610-Y33
 Q112 8-729-143-07 s TRANSISTOR 2SA1610-Y33

Q113 8-729-026-53 s TRANSISTOR 2SA1576A-T106-QR
 Q114 8-729-143-07 s TRANSISTOR 2SA1610-Y33
 Q115 8-729-143-07 s TRANSISTOR 2SA1610-Y33
 Q116 8-729-905-38 s TRANSISTOR 2SC4081T106R
 Q117 8-729-403-29 s TRANSISTOR XN6435

Q118 8-729-403-32 s TRANSISTOR XN6534
 Q119 8-729-143-07 s TRANSISTOR 2SA1610-Y33
 Q120 8-729-402-19 s TRANSISTOR XN6501
 Q121 8-729-402-78 s TRANSISTOR XN6401
 Q201 8-729-402-78 s TRANSISTOR XN6401

Q202 8-729-402-19 s TRANSISTOR XN6501
 Q203 8-729-117-72 s TRANSISTOR 2SC4178
 Q204 8-729-142-90 s TRANSISTOR 2SK853-K5
 Q205 8-729-143-07 s TRANSISTOR 2SA1610-Y33
 Q206 8-729-026-53 s TRANSISTOR 2SA1576A-T106-QR

Q207 8-729-143-07 s TRANSISTOR 2SA1610-Y33
 Q208 8-729-117-72 s TRANSISTOR 2SC4178
 Q209 8-729-143-07 s TRANSISTOR 2SA1610-Y33
 Q210 8-729-026-53 s TRANSISTOR 2SA1576A-T106-QR
 Q211 8-729-143-07 s TRANSISTOR 2SA1610-Y33

Q212 8-729-143-07 s TRANSISTOR 2SA1610-Y33

DXC-D30(J,UC)
 DXC-D30P(CE)

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| Ref. No. or Q'ty | Part No. | SP Description |
|---------------------|----------------|-----------------------------|
| Q213 | 8-729-026-53 s | TRANSISTOR 2SA1576A-T106-QR |
| Q214 | 8-729-143-07 s | TRANSISTOR 2SA1610-Y33 |
| Q215 | 8-729-143-07 s | TRANSISTOR 2SA1610-Y33 |
| Q216 | 8-729-905-38 s | TRANSISTOR 2SC4081T106R |
| Q217 | 8-729-403-29 s | TRANSISTOR XN6435 |
| Q218 | 8-729-403-32 s | TRANSISTOR XN6534 |
| Q219 | 8-729-143-07 s | TRANSISTOR 2SA1610-Y33 |
| Q220 | 8-729-402-19 s | TRANSISTOR XN6501 |
| Q221 | 8-729-402-78 s | TRANSISTOR XN6401 |
| Q301 | 8-729-402-78 s | TRANSISTOR XN6401 |
| Q302 | 8-729-402-19 s | TRANSISTOR XN6501 |
| Q303 | 8-729-117-72 s | TRANSISTOR 2SC4178 |
| Q304 | 8-729-142-90 s | TRANSISTOR 2SK853-K5 |
| Q305 | 8-729-143-07 s | TRANSISTOR 2SA1610-Y33 |
| Q306 | 8-729-026-53 s | TRANSISTOR 2SA1576A-T106-QR |
| Q307 | 8-729-143-07 s | TRANSISTOR 2SA1610-Y33 |
| Q308 | 8-729-117-72 s | TRANSISTOR 2SC4178 |
| Q309 | 8-729-143-07 s | TRANSISTOR 2SA1610-Y33 |
| Q310 | 8-729-026-53 s | TRANSISTOR 2SA1576A-T106-QR |
| Q311 | 8-729-143-07 s | TRANSISTOR 2SA1610-Y33 |
| Q312 | 8-729-143-07 s | TRANSISTOR 2SA1610-Y33 |
| Q313 | 8-729-026-53 s | TRANSISTOR 2SA1576A-T106-QR |
| Q314 | 8-729-143-07 s | TRANSISTOR 2SA1610-Y33 |
| Q315 | 8-729-143-07 s | TRANSISTOR 2SA1610-Y33 |
| Q316 | 8-729-905-38 s | TRANSISTOR 2SC4081T106R |
| Q317 | 8-729-403-29 s | TRANSISTOR XN6435 |
| Q318 | 8-729-403-32 s | TRANSISTOR XN6534 |
| Q319 | 8-729-143-07 s | TRANSISTOR 2SA1610-Y33 |
| Q320 | 8-729-402-19 s | TRANSISTOR XN6501 |
| Q321 | 8-729-402-78 s | TRANSISTOR XN6401 |
| R1 | 1-216-821-11 s | METAL, CHIP 1K 5% 1/16W |
| R2 | 1-216-883-11 s | METAL 33K 0.50% 1/16W |
| R3 | 1-216-883-11 s | METAL 33K 0.50% 1/16W |
| R4 | 1-216-827-11 s | METAL, CHIP 3.3K 5% 1/16W |
| R5 | 1-216-739-11 s | METAL 91K 0.50% 1/16W |
| R6 | 1-218-883-11 s | METAL 33K 0.50% 1/16W |
| R7 | 1-218-883-11 s | METAL 33K 0.50% 1/16W |
| R8 | 1-218-732-11 s | METAL 47K 0.50% 1/16W |
| R9 | 1-218-720-11 s | METAL 15K 0.50% 1/16W |
| R10 | 1-218-739-11 s | METAL 91K 0.50% 1/16W |
| R11 | 1-218-883-11 s | METAL 33K 0.50% 1/16W |
| R12 | 1-218-883-11 s | METAL 33K 0.50% 1/16W |
| R13 | 1-218-732-11 s | METAL 47K 0.50% 1/16W |
| R14 | 1-218-720-11 s | METAL 15K 0.50% 1/16W |
| R15 | 1-218-739-11 s | METAL 91K 0.50% 1/16W |
| R16 | 1-218-883-11 s | METAL 33K 0.50% 1/16W |
| R17 | 1-218-883-11 s | METAL 33K 0.50% 1/16W |
| R18 | 1-218-732-11 s | METAL 47K 0.50% 1/16W |
| R19 | 1-218-720-11 s | METAL 15K 0.50% 1/16W |
| R20 | 1-216-821-11 s | METAL, CHIP 1K 5% 1/16W |
| R21 | 1-216-821-11 s | METAL, CHIP 1K 5% 1/16W |
| R22 | 1-216-845-11 s | METAL, CHIP 100K 5% 1/16W |
| R23 | 1-216-821-11 s | METAL, CHIP 1K 5% 1/16W |
| R24 | 1-216-821-11 s | METAL, CHIP 1K 5% 1/16W |
| R25 | 1-216-845-11 s | METAL, CHIP 100K 5% 1/16W |
| R26 | 1-216-821-11 s | METAL, CHIP 1K 5% 1/16W |
| R27 | 1-216-821-11 s | METAL, CHIP 1K 5% 1/16W |
| R28 | 1-216-821-11 s | METAL, CHIP 1K 5% 1/16W |
| R30 | 1-216-821-11 s | METAL, CHIP 1K 5% 1/16W |

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| Ref. No. or Q'ty | Part No. | SP Description |
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| R31 | 1-218-716-11 s | METAL 10K 0.50% 1/16W |
| R32 | 1-218-706-11 s | METAL 3.9K 0.50% 1/16W |
| R33 | 1-218-698-11 s | METAL 1.8K 0.50% 1/16W |
| R34 | 1-218-722-11 s | METAL, CHIP 18K 0.50% 1/16W |
| R35 | 1-216-833-11 s | METAL, CHIP 10K 5% 1/16W |
| R36 | 1-216-833-11 s | METAL, CHIP 10K 5% 1/16W |
| R37 | 1-216-821-11 s | METAL, CHIP 1K 5% 1/16W |
| R38 | 1-216-821-11 s | METAL, CHIP 1K 5% 1/16W |
| R39 | 1-216-857-11 s | METAL, CHIP 1M 5% 1/16W |
| R40 | 1-216-857-11 s | METAL, CHIP 1M 5% 1/16W |
| R41 | 1-216-809-11 s | METAL, CHIP 100 5% 1/16W |
| R42 | 1-216-809-11 s | METAL, CHIP 100 5% 1/16W |
| R44 | 1-216-864-11 s | METAL, CHIP 0 5% 1/16W |
| R46 | 1-216-864-11 s | METAL, CHIP 0 5% 1/16W |
| R47 | 1-216-805-11 s | METAL, CHIP 47 5% 1/16W |
| R48 | 1-216-817-11 s | METAL, CHIP 470 5% 1/16W |
| R50 | 1-216-805-11 s | METAL, CHIP 47 5% 1/16W |
| R51 | 1-218-720-11 s | METAL 15K 0.50% 1/16W |
| R52 | 1-218-883-11 s | METAL 33K 0.50% 1/16W |
| R53 | 1-218-883-11 s | METAL 33K 0.50% 1/16W |
| R54 | 1-216-821-11 s | METAL, CHIP 1K 5% 1/16W |
| R55 | 1-216-821-11 s | METAL, CHIP 1K 5% 1/16W |
| R58 | 1-218-730-11 s | METAL, CHIP 39K 0.50% 1/16W |
| R59 | 1-218-729-11 s | METAL 36K 0.50% 1/16W |
| R60 | 1-218-881-11 s | METAL, CHIP 27K 0.50% 1/16W |
| R61 | 1-218-708-11 s | METAL 4.7K 0.50% 1/16W |
| R62 | 1-218-883-11 s | METAL 33K 0.50% 1/16W |
| R63 | 1-216-823-11 s | METAL, CHIP 1.5K 5% 1/16W |
| R64 | 1-218-708-11 s | METAL 4.7K 0.50% 1/16W |
| R65 | 1-218-698-11 s | METAL 1.8K 0.50% 1/16W |
| R66 | 1-218-883-11 s | METAL 33K 0.50% 1/16W |
| R67 | 1-216-823-11 s | METAL, CHIP 1.5K 5% 1/16W |
| R68 | 1-218-730-11 s | METAL, CHIP 39K 0.50% 1/16W |
| R69 | 1-218-706-11 s | METAL 3.9K 0.50% 1/16W |
| R70 | 1-218-722-11 s | METAL, CHIP 18K 0.50% 1/16W |
| R71 | 1-216-833-11 s | METAL, CHIP 10K 5% 1/16W |
| R72 | 1-216-845-11 s | METAL, CHIP 100K 5% 1/16W |
| R74 | 1-216-805-11 s | METAL, CHIP 47 5% 1/16W |
| R101 | 1-216-833-11 s | METAL, CHIP 10K 5% 1/16W |
| R102 | 1-218-698-11 s | METAL 1.8K 0.50% 1/16W |
| R103 | 1-216-841-11 s | METAL, CHIP 47K 5% 1/16W |
| R104 | 1-216-839-11 s | METAL, CHIP 33K 5% 1/16W |
| R105 | 1-218-694-11 s | METAL, CHIP 1.2K 0.50% 1/16W |
| R106 | 1-218-730-11 s | METAL, CHIP 39K 0.50% 1/16W |
| R107 | 1-216-825-11 s | METAL, CHIP 2.2K 5% 1/16W |
| R108 | 1-218-692-11 s | METAL, CHIP 1K 0.50% 1/16W |
| R109 | 1-216-829-11 s | METAL, CHIP 4.7K 5% 1/16W |
| R110 | 1-218-697-11 s | METAL 1.6K 0.50% 1/16W |
| R111 | 1-218-752-11 s | METAL 330K 0.50% 1/16W |
| R112 | 1-218-752-11 s | METAL 330K 0.50% 1/16W |
| R113 | 1-218-708-11 s | METAL 4.7K 0.50% 1/16W |
| R114 | 1-216-833-11 s | METAL, CHIP 10K 5% 1/16W |
| R115 | 1-216-834-11 s | METAL, CHIP 12K 5% 1/16W |
| R116 | 1-216-857-11 s | METAL, CHIP 1M 5% 1/16W |
| R117 | 1-218-856-11 s | METAL, CHIP 2.4K 0.50% 1/16W |
| R118 | 1-218-722-11 s | METAL, CHIP 18K 0.50% 1/16W |
| R119 | 1-218-829-11 s | METAL, CHIP 180 0.50% 1/16W |
| R120 | 1-216-817-11 s | METAL, CHIP 470 5% 1/16W |
| R121 | 1-216-821-11 s | METAL, CHIP 1K 5% 1/16W |

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Ref. No.
or Q'ty Part No. SP Description

R255 1-218-700-11 s METAL 2.2K 0.50% 1/16W
R256 1-216-817-11 s METAL, CHIP 470 5% 1/16W
R257 1-216-827-11 s METAL, CHIP 3.3K 5% 1/16W
R258 1-216-829-11 s METAL, CHIP 4.7K 5% 1/16W
R259 1-218-684-11 s METAL, CHIP 470 0.50% 1/16W

R260 1-218-684-11 s METAL, CHIP 470 0.50% 1/16W
R261 1-218-851-11 s METAL, CHIP 1.5K 0.50% 1/16W
R262 1-218-716-11 s METAL 10K 0.50% 1/16W
R263 1-218-858-11 s METAL, CHIP 3K 0.50% 1/16W
R264 1-218-700-11 s METAL 2.2K 0.50% 1/16W

R265 1-218-837-11 s METAL, CHIP 390 0.50% 1/16W
R266 1-218-838-11 s METAL, CHIP 430 0.50% 1/16W
R267 1-218-694-11 s METAL, CHIP 1.2K 0.50% 1/16W
R268 1-216-826-11 s METAL, CHIP 2.7K 5% 1/16W
R269 1-216-823-11 s METAL, CHIP 1.5K 5% 1/16W

R270 1-218-708-11 s METAL 4.7K 0.50% 1/16W
R271 1-218-864-11 s METAL 5.1K 0.50% 1/16W
R272 1-216-823-11 s METAL, CHIP 1.5K 5% 1/16W
R273 1-216-809-11 s METAL, CHIP 100 5% 1/16W
R274 1-216-809-11 s METAL, CHIP 100 5% 1/16W

R275 1-216-864-11 s METAL, CHIP 0 5% 1/16W
R276 1-216-829-11 s METAL, CHIP 4.7K 5% 1/16W
R277 1-218-714-11 s METAL 8.2K 0.50% 1/16W
R278 1-218-873-11 s METAL, CHIP 12K 0.50% 1/16W
R279 1-218-901-11 s METAL, CHIP 180K 0.50% 1

R280 1-216-817-11 s METAL, CHIP 470 5% 1/16W
R281 1-216-813-11 s METAL, CHIP 220 5% 1/16W
R282 1-216-833-11 s METAL, CHIP 10K 5% 1/16W
R283 1-216-833-11 s METAL, CHIP 10K 5% 1/16W
R286 1-216-864-11 s METAL, CHIP 0 5% 1/16W

R289 1-216-797-11 s METAL, CHIP 10 5% 1/16W
R290 1-216-813-11 s METAL, CHIP 220 5% 1/16W
R291 1-216-863-11 s METAL 3.3M 5% 1/16W
R292 1-216-864-11 s METAL, CHIP 0 5% 1/16W
R294 1-218-752-11 s METAL 330K 0.50% 1/16W

R295 1-218-758-11 s METAL, CHIP 180K 0.50% 1/10W
R296 1-218-764-11 s METAL 330K 0.50% 1/10W
R301 1-218-833-11 s METAL, CHIP 10K 5% 1/16W
R302 1-218-698-11 s METAL 1.8K 0.50% 1/16W
R303 1-216-841-11 s METAL, CHIP 47K 5% 1/16W

R304 1-216-839-11 s METAL, CHIP 33K 5% 1/16W
R305 1-218-694-11 s METAL, CHIP 1.2K 0.50% 1/16W
R306 1-218-730-11 s METAL, CHIP 39K 0.50% 1/16W
R307 1-216-825-11 s METAL, CHIP 2.2K 5% 1/16W
R308 1-218-692-11 s METAL, CHIP 1K 0.50% 1/16W

R309 1-216-829-11 s METAL, CHIP 4.7K 5% 1/16W
R310 1-218-697-11 s METAL 1.6K 0.50% 1/16W
R311 1-218-752-11 s METAL 330K 0.50% 1/16W
R312 1-218-752-11 s METAL 330K 0.50% 1/16W
R313 1-218-708-11 s METAL 4.7K 0.50% 1/16W

R314 1-216-833-11 s METAL, CHIP 10K 5% 1/16W
R315 1-216-834-11 s METAL, CHIP 12K 5% 1/16W
R316 1-216-857-11 s METAL, CHIP 1M 5% 1/16W
R317 1-218-856-11 s METAL, CHIP 2.4K 0.50% 1/16W
R318 1-218-722-11 s METAL, CHIP 18K 0.50% 1/16W

R319 1-218-829-11 s METAL, CHIP 180 0.50% 1/16W
R320 1-216-817-11 s METAL, CHIP 470 5% 1/16W
R321 1-216-821-11 s METAL, CHIP 1K 5% 1/16W
R322 1-216-823-11 s METAL, CHIP 1.5K 5% 1/16W

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Ref. No.
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R323 1-216-827-11 s METAL, CHIP 3.3K 5% 1/16W
R325 1-216-833-11 s METAL, CHIP 10K 5% 1/16W
R326 1-216-837-11 s METAL, CHIP 22K 5% 1/16W
R327 1-216-825-11 s METAL, CHIP 2.2K 5% 1/16W
R328 1-218-684-11 s METAL, CHIP 470 0.50% 1/16W

R329 1-218-684-11 s METAL, CHIP 470 0.50% 1/16W
R330 1-218-837-11 s METAL, CHIP 390 0.50% 1/16W
R331 1-216-825-11 s METAL, CHIP 2.2K 5% 1/16W
R332 1-218-740-11 s METAL 100K 0.50% 1/16W
R333 1-218-702-11 s METAL, CHIP 2.7K 0.50% 1/16W

R334 1-218-694-11 s METAL, CHIP 1.2K 0.50% 1/16W
R335 1-218-837-11 s METAL, CHIP 390 0.50% 1/16W
R336 1-216-833-11 s METAL, CHIP 10K 5% 1/16W
R337 1-218-874-11 s METAL, CHIP 13K 0.50% 1/16W
R338 1-218-702-11 s METAL, CHIP 2.7K 0.50% 1/16W

R339 1-216-817-11 s METAL, CHIP 470 5% 1/16W
R340 1-216-825-11 s METAL, CHIP 2.2K 5% 1/16W
R341 1-216-864-11 s METAL, CHIP 0 5% 1/16W
R342 1-218-659-11 s METAL 43 0.50% 1/16W
R343 1-218-660-91 s METAL 47 0.50% 1/16W

R344 1-218-837-11 s METAL, CHIP 390 0.50% 1/16W
R345 1-218-837-11 s METAL, CHIP 390 0.50% 1/16W
R346 1-218-684-11 s METAL, CHIP 470 0.50% 1/16W
R347 1-218-702-11 s METAL, CHIP 2.7K 0.50% 1/16W
R348 1-218-692-11 s METAL, CHIP 1K 0.50% 1/16W

R349 1-218-748-11 s METAL 220K 0.50% 1/16W
R350 1-216-833-11 s METAL, CHIP 10K 5% 1/16W
R352 1-216-817-11 s METAL, CHIP 470 5% 1/16W
R354 1-216-839-11 s METAL, CHIP 33K 5% 1/16W
R355 1-218-700-11 s METAL 2.2K 0.50% 1/16W

R356 1-216-817-11 s METAL, CHIP 470 5% 1/16W
R357 1-216-827-11 s METAL, CHIP 3.3K 5% 1/16W
R358 1-216-829-11 s METAL, CHIP 4.7K 5% 1/16W
R359 1-218-684-11 s METAL, CHIP 470 0.50% 1/16W
R360 1-218-684-11 s METAL, CHIP 470 0.50% 1/16W

R361 1-218-851-11 s METAL, CHIP 1.5K 0.50% 1/16W
R362 1-218-716-11 s METAL 10K 0.50% 1/16W
R363 1-218-858-11 s METAL, CHIP 3K 0.50% 1/16W
R364 1-218-700-11 s METAL 2.2K 0.50% 1/16W
R365 1-218-837-11 s METAL, CHIP 390 0.50% 1/16W

R366 1-218-838-11 s METAL, CHIP 430 0.50% 1/16W
R367 1-218-694-11 s METAL, CHIP 1.2K 0.50% 1/16W
R368 1-216-826-11 s METAL, CHIP 2.7K 5% 1/16W
R369 1-216-823-11 s METAL, CHIP 1.5K 5% 1/16W
R370 1-218-708-11 s METAL 4.7K 0.50% 1/16W

R371 1-218-864-11 s METAL 5.1K 0.50% 1/16W
R372 1-216-823-11 s METAL, CHIP 1.5K 5% 1/16W
R373 1-216-809-11 s METAL, CHIP 100 5% 1/16W
R374 1-216-809-11 s METAL, CHIP 100 5% 1/16W
R375 1-216-864-11 s METAL, CHIP 0 5% 1/16W

R376 1-216-829-11 s METAL, CHIP 4.7K 5% 1/16W
R377 1-218-714-11 s METAL 8.2K 0.50% 1/16W
R378 1-218-873-11 s METAL, CHIP 12K 0.50% 1/16W
R379 1-218-901-11 s METAL, CHIP 180K 0.50% 1
R380 1-216-817-11 s METAL, CHIP 470 5% 1/16W

R381 1-216-813-11 s METAL, CHIP 220 5% 1/16W
R382 1-216-833-11 s METAL, CHIP 10K 5% 1/16W
R383 1-216-833-11 s METAL, CHIP 10K 5% 1/16W
R386 1-216-864-11 s METAL, CHIP 0 5% 1/16W

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or Q'ty Part No. SP Description

| | |
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| R389 | 1-216-797-11 s METAL, CHIP 10 5% 1/16W |
| R390 | 1-216-813-11 s METAL, CHIP 220 5% 1/16W |
| R391 | 1-216-863-11 s METAL 3.3M 5% 1/16W |
| R392 | 1-216-864-11 s METAL, CHIP 0 5% 1/16W |
| R394 | 1-218-752-11 s METAL 330K 0.50% 1/16W |
| R395 | 1-218-758-11 s METAL, CHIP 180K 0.50% 1/10W |
| R396 | 1-218-764-11 s METAL 330K 0.50% 1/10W |
| RB1 | 1-236-904-11 s RESISTOR, BLOCK CHIP 1K |
| RB2 | 1-236-907-11 s RESISTOR BLOCK, CHIP 100KX4 |
| RB101 | 1-239-416-11 s RESISTOR BLOCK, CHIP 220X4 |
| RB102 | 1-239-416-11 s RESISTOR BLOCK, CHIP 220X4 |
| RB103 | 1-239-416-11 s RESISTOR BLOCK, CHIP 220X4 |
| RB201 | 1-239-416-11 s RESISTOR BLOCK, CHIP 220X4 |
| RB202 | 1-239-416-11 s RESISTOR BLOCK, CHIP 220X4 |
| RB203 | 1-239-416-11 s RESISTOR BLOCK, CHIP 220X4 |
| RB301 | 1-239-416-11 s RESISTOR BLOCK, CHIP 220X4 |
| RB302 | 1-239-416-11 s RESISTOR BLOCK, CHIP 220X4 |
| RB303 | 1-239-416-11 s RESISTOR BLOCK, CHIP 220X4 |

FRAME

Ref. No.
or Q'ty Part No. SP Description

| | |
|-------|--|
| 1pc | 1-547-985-11 o FILTER UNIT, OPTICAL |
| 1pc | 1-777-768-11 s WIRE, FLAT TYPE (30 CORE) (MB-TG) |
| 3pcs | 1-956-511-11 o HARNESS, SUB (DEF) |
| 1pc | 1-956-512-11 o HARNESS, SUB (FL) (MB-SE) |
| 1pc | 1-956-514-11 o HARNESS, SUB (PA187-1) |
| 1pc | 1-956-515-11 o HARNESS, SUB (PA187-2) |
| 1pc | 1-956-527-11 o HARNESS, SUB (VCO) |
| 1pc | 1-473-883-11 s CONVERTER UNIT, DC-DC |
| 3pcs | 1-777-764-11 s WIRE, FLEXIBLE CARD (20 CORE) (MB-CN) |
| FB101 | 1-500-249-11 s BEAD, FERRITE (CASE) |
| FB102 | 1-500-249-11 s BEAD, FERRITE (CASE) |
| FB103 | 1-500-249-11 s BEAD, FERRITE (CASE) |
| FB104 | 1-543-936-11 s CORE (FPC) |
| FB105 | 1-543-936-11 s CORE (FPC) |
| FB106 | 1-543-936-11 s CORE (FPC) |

SUPPLIED ACCESSORIES

Ref. No.
or Q'ty Part No. SP Description

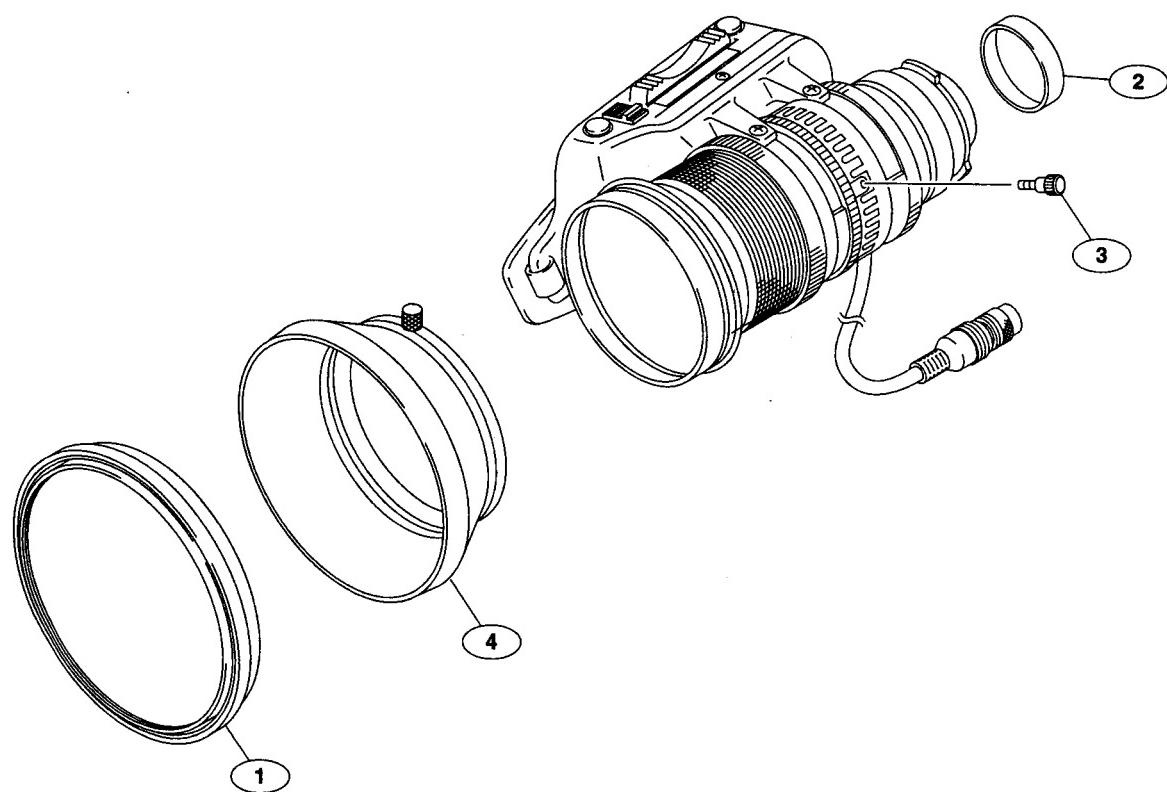
| | |
|-----|---|
| lpc | 3-764-889-01 o CHART, ADJUSTMENT |
| lpc | 3-858-217-01 o MANUAL, INSTRUCTION (JAPANESE) |
| lpc | 3-858-217-11 o MANUAL, INSTRUCTION (ENGLISH) |
| lpc | 3-858-217-21 o MANUAL, INSTRUCTION (FRENCH) |
| lpc | 3-858-217-31 o MANUAL, INSTRUCTION (GERMAN) |
| lpc | 3-858-217-41 o MANUAL, INSTRUCTION (ITALIAN) |
| lpc | 3-858-217-51 o MANUAL, INSTRUCTION (CHINESE) |

EXPLODED VIEW (VCL-916BYA)

VCL-916BYA

No. Part No. SP Description

- | | | |
|---|--------------|---------------|
| 1 | 3-707-245-01 | o CAP, HOOD |
| 2 | 3-707-246-01 | o CAP, DUST |
| 3 | 3-707-247-01 | o LEVER, ZOOM |
| 4 | 3-708-171-01 | s HOOD, LENS |



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